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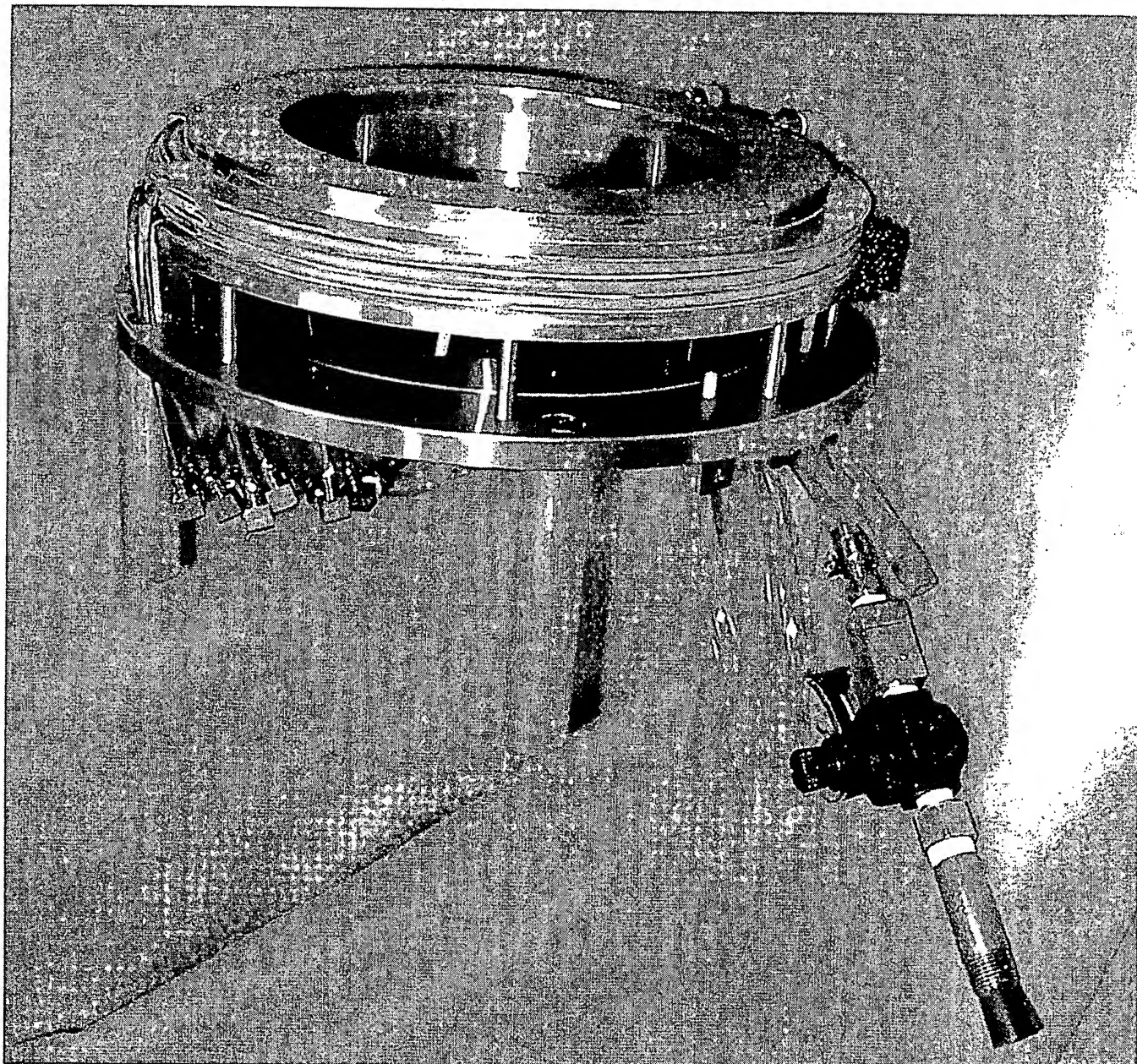
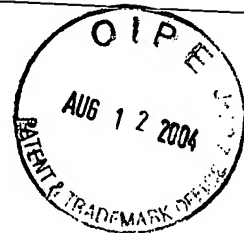


Fig. 1A

Fig. 1B

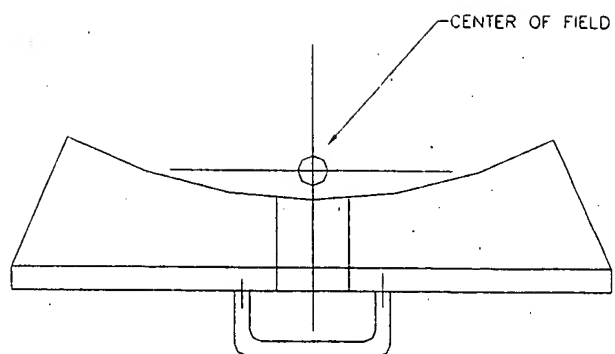


Fig. 1C

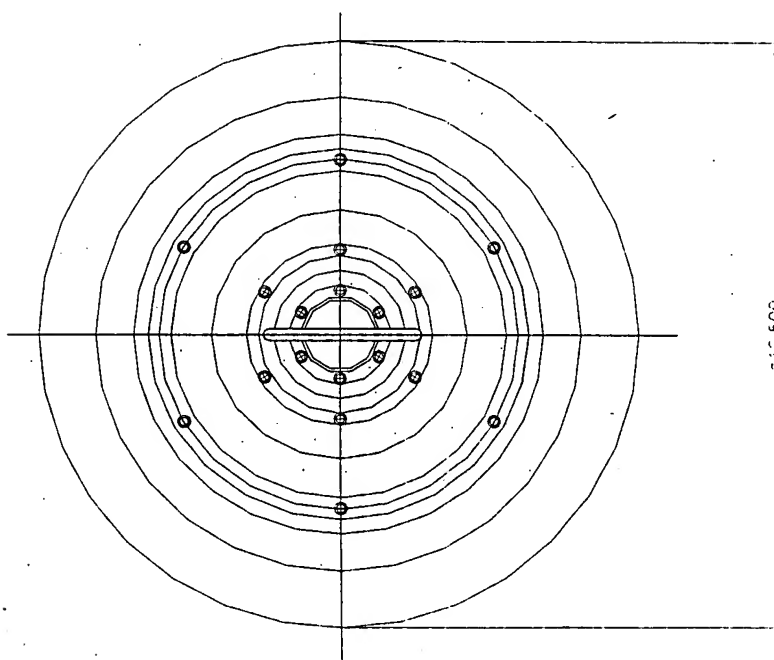
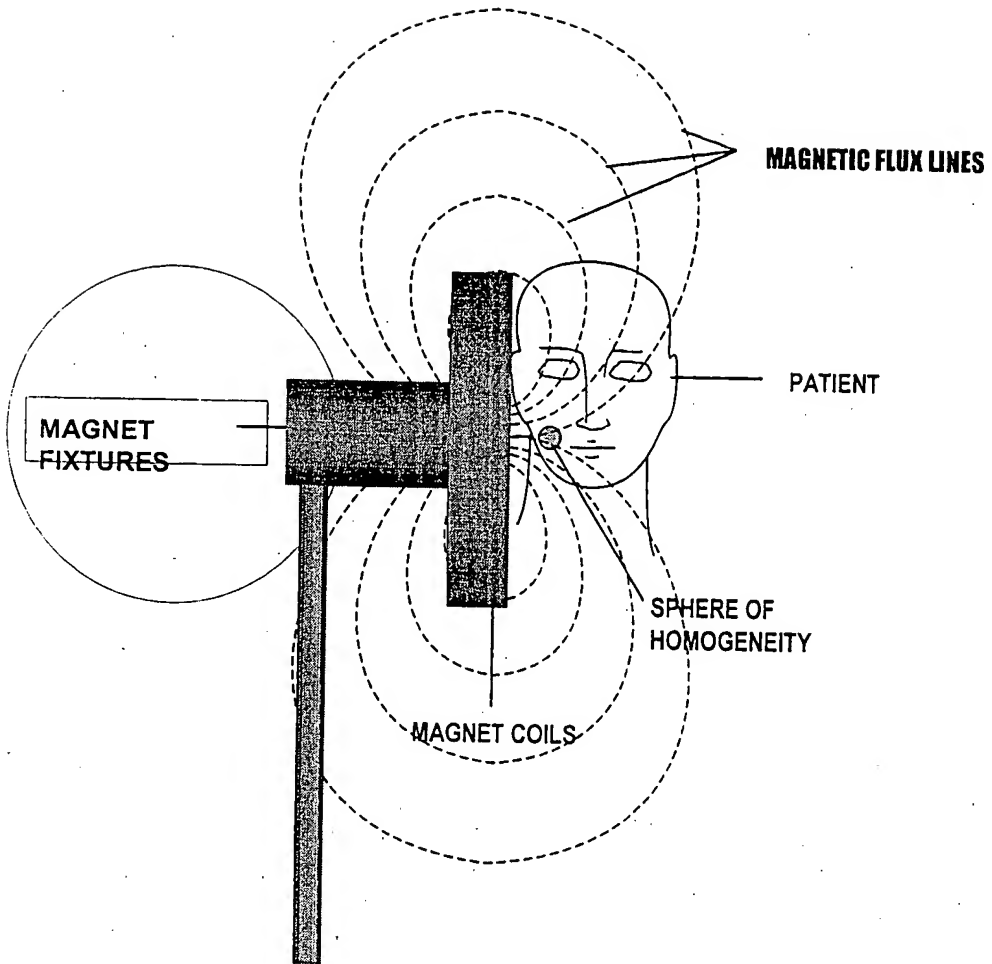


Fig. 2



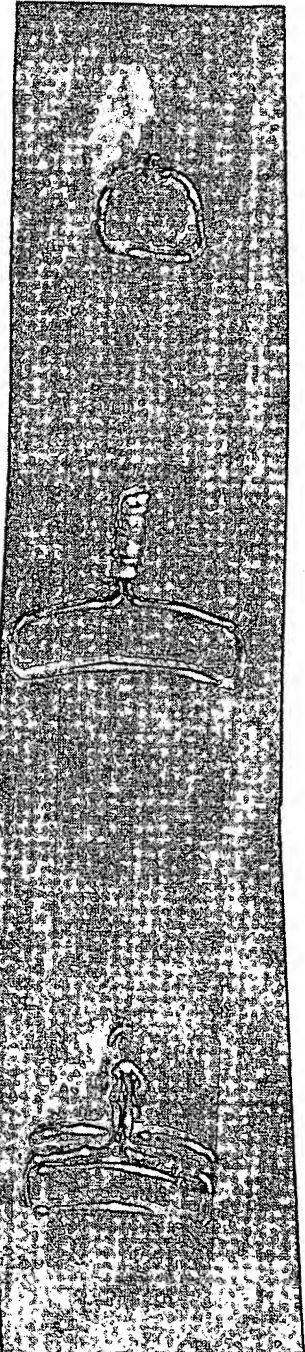


Fig. 3A

Fig. 3B

Fig. 3C

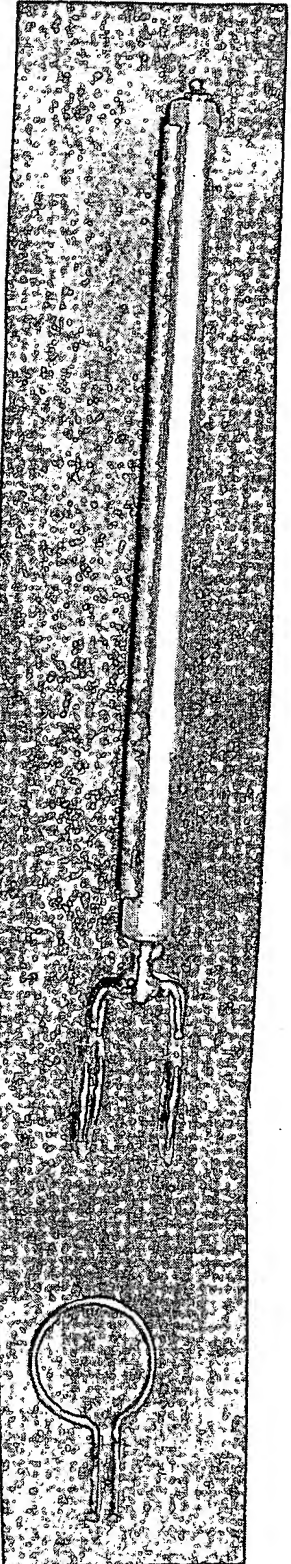


Fig. 3D

Fig. 3E

Fig. 4

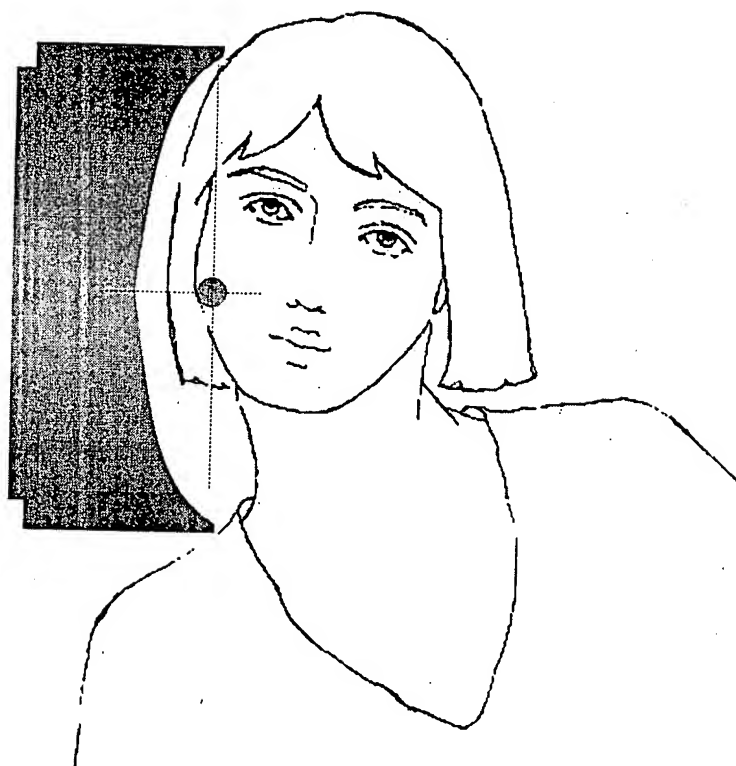


Fig. 5A

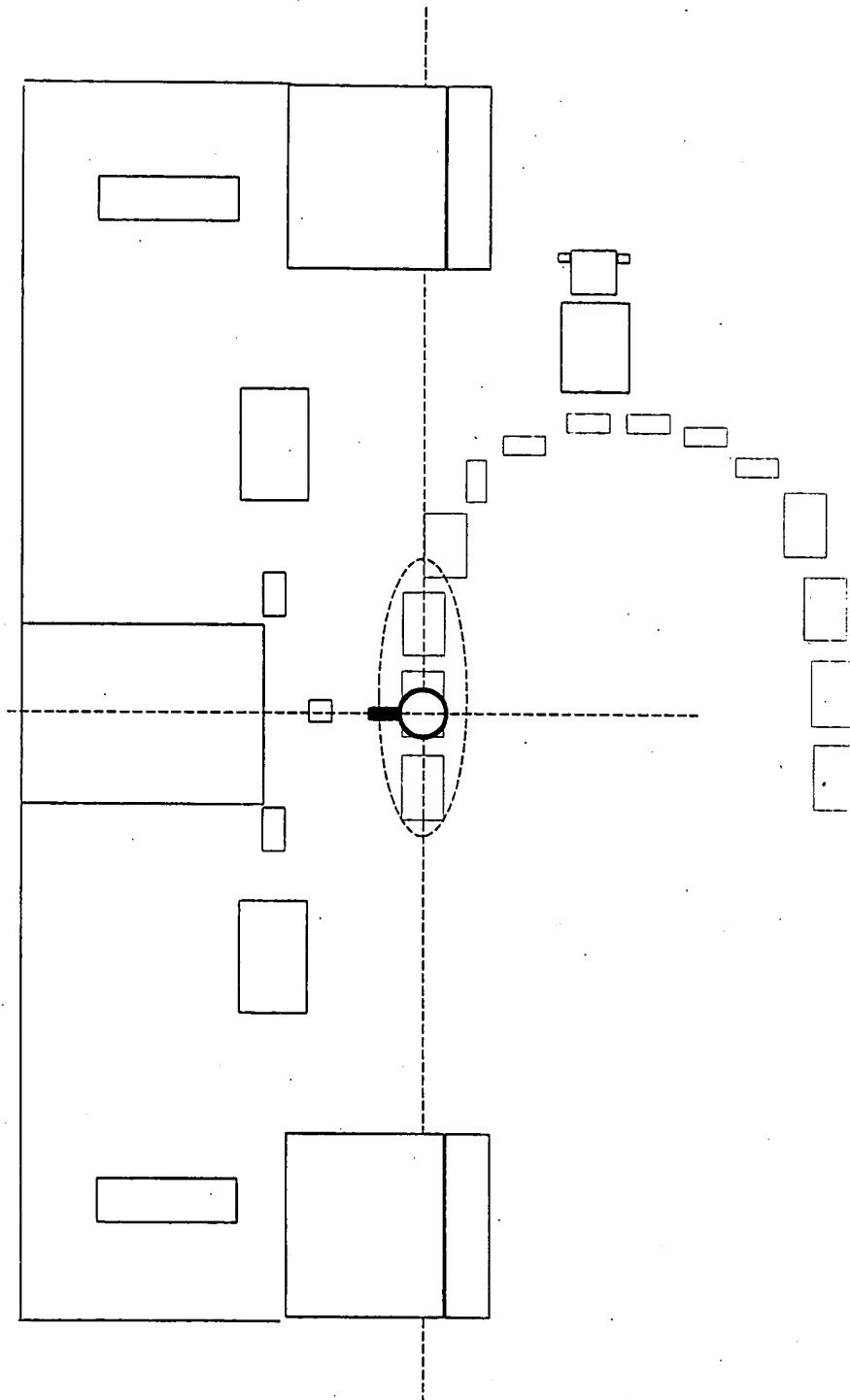
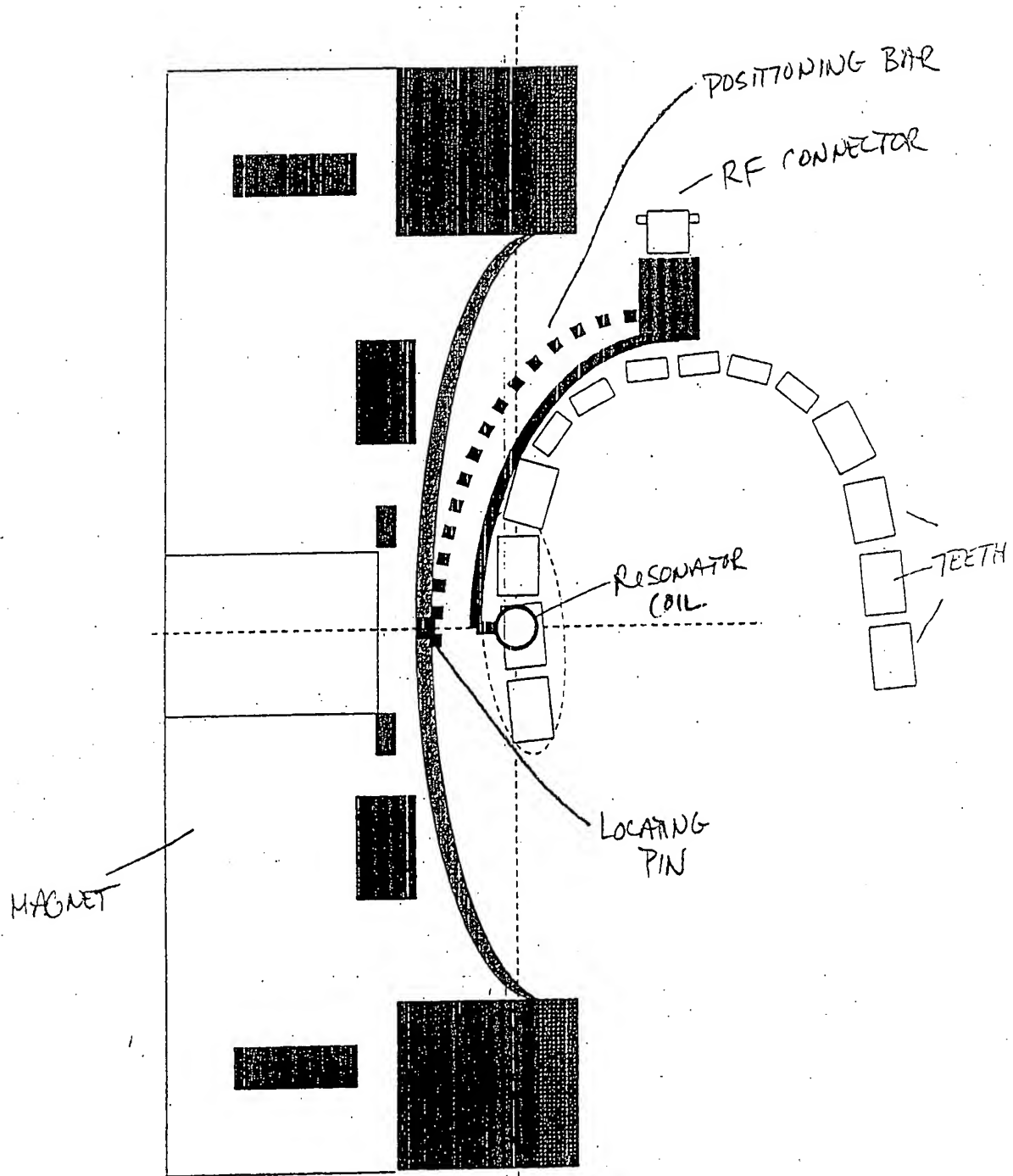


Fig. 5B



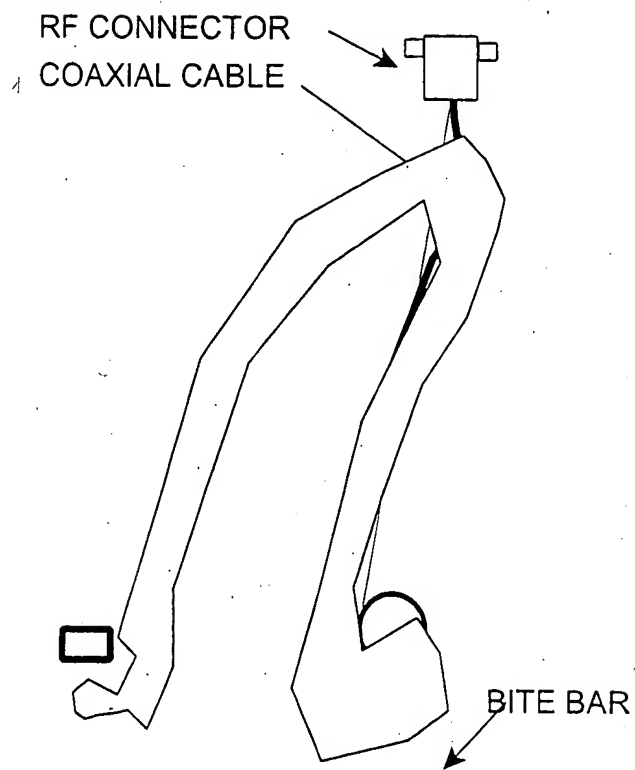


Fig. 6A

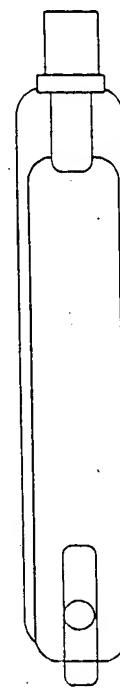


Fig. 6B

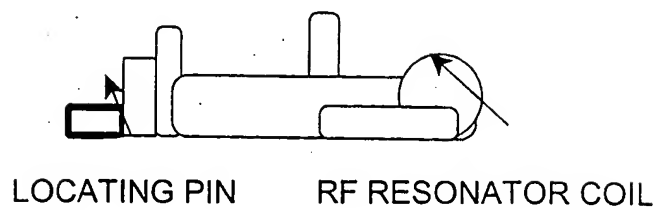
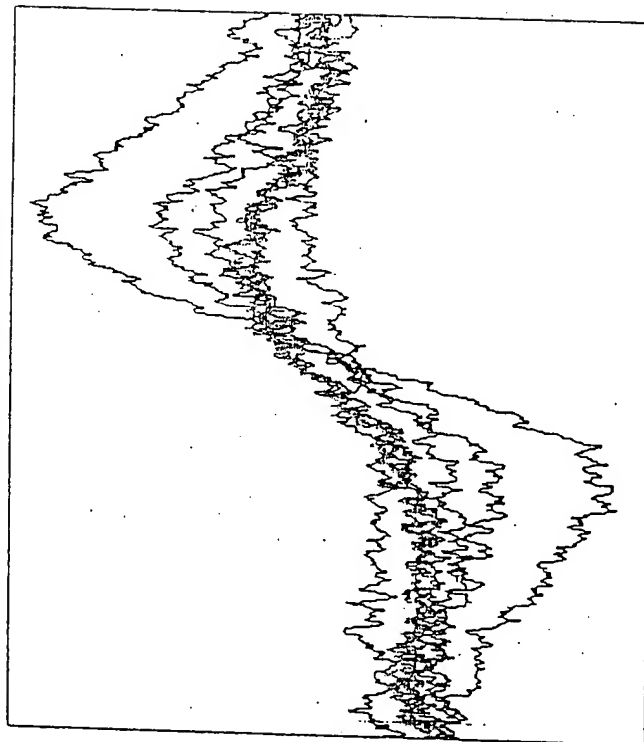


Fig. 6C

Fig. 7A

Spectra from low dose irradiation of teeth



— Empty Resonator

— Irradiated tooth
500cGy

— Irradiated tooth
237cGy

— Irradiated tooth
100cGy

— Irradiated tooth 50cGy

— Irradiated tooth 20cGy

— Not irradiated tooth

Fig. 7B

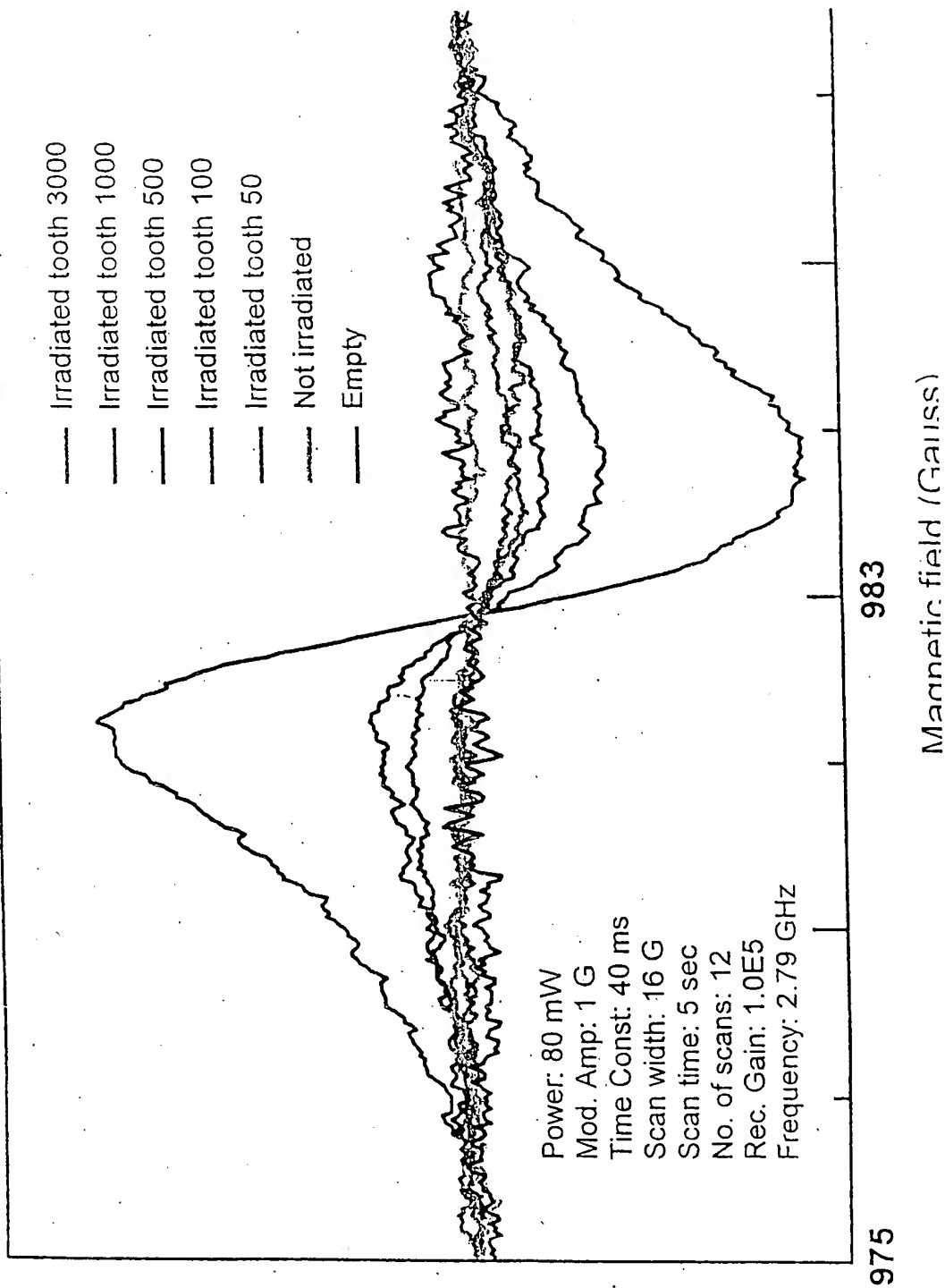
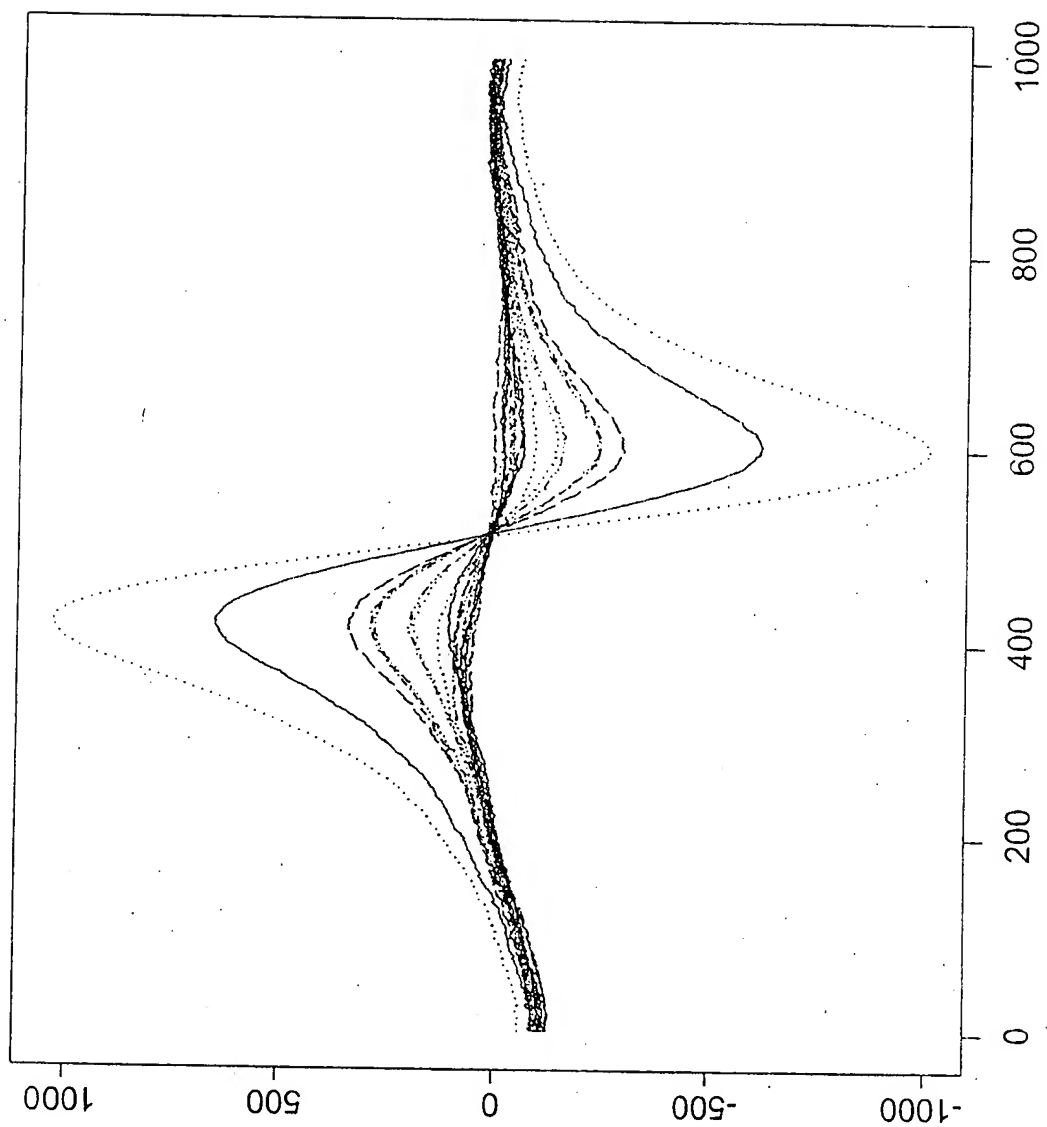


Fig. 8



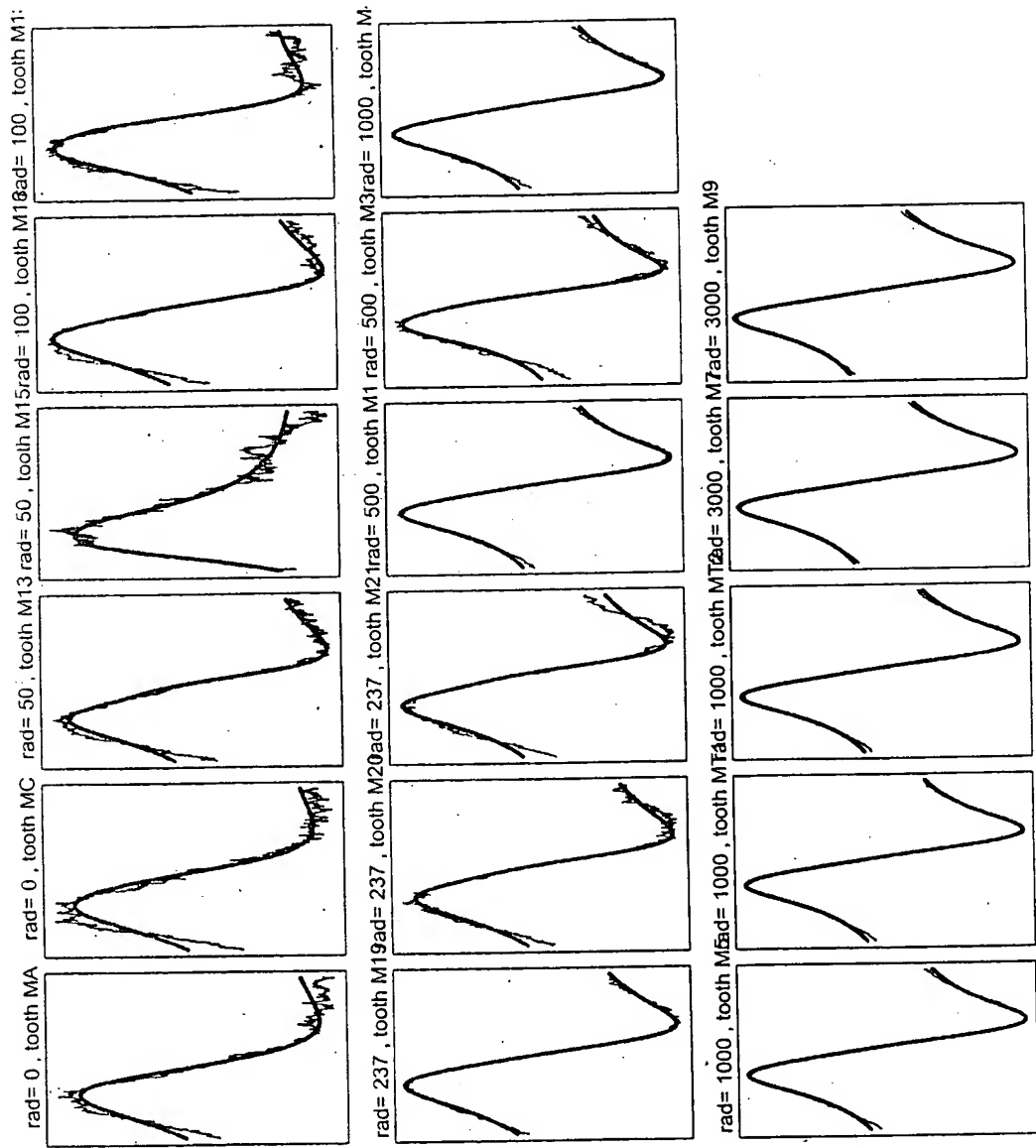


Fig. 9

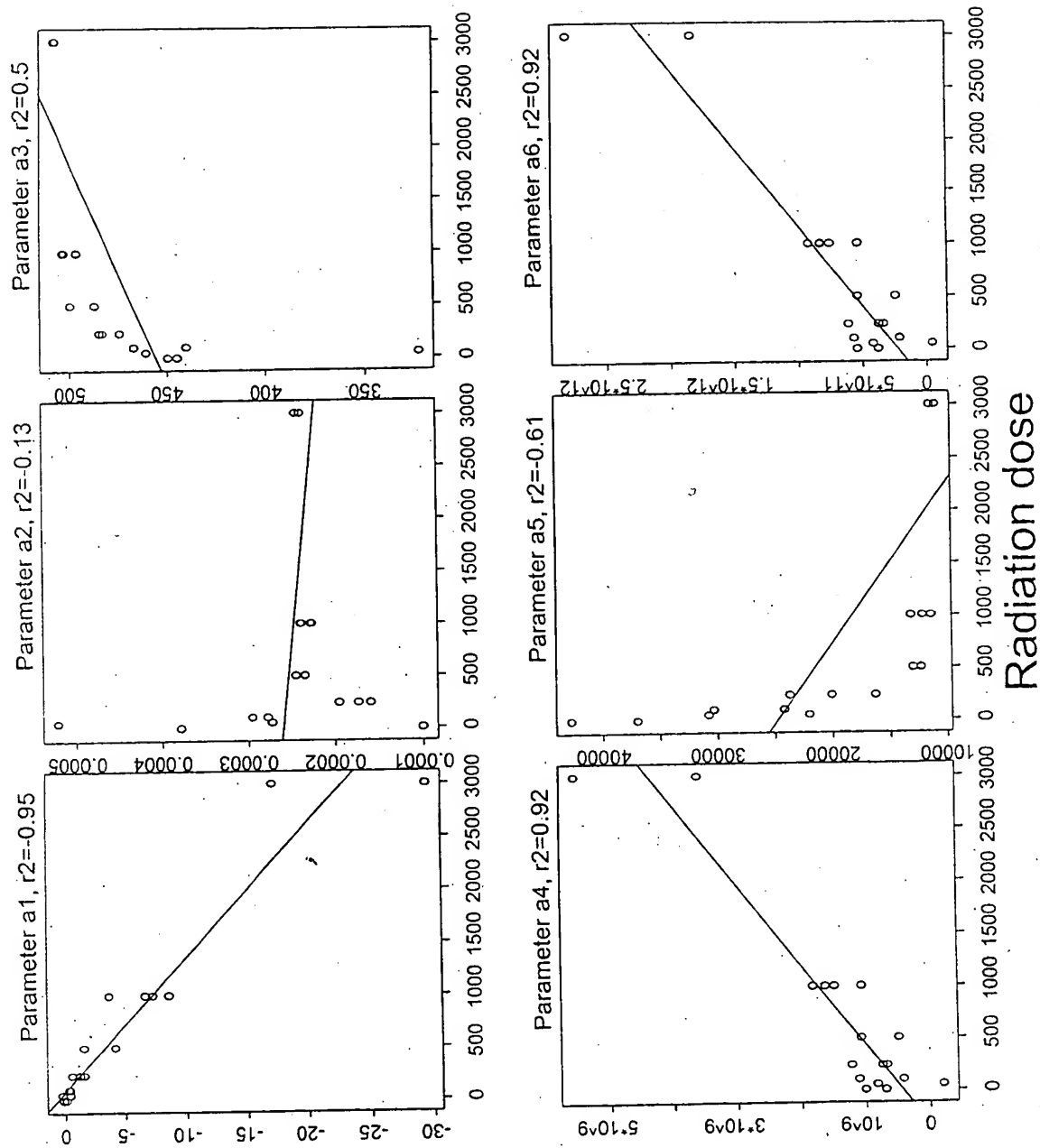


Fig. 10

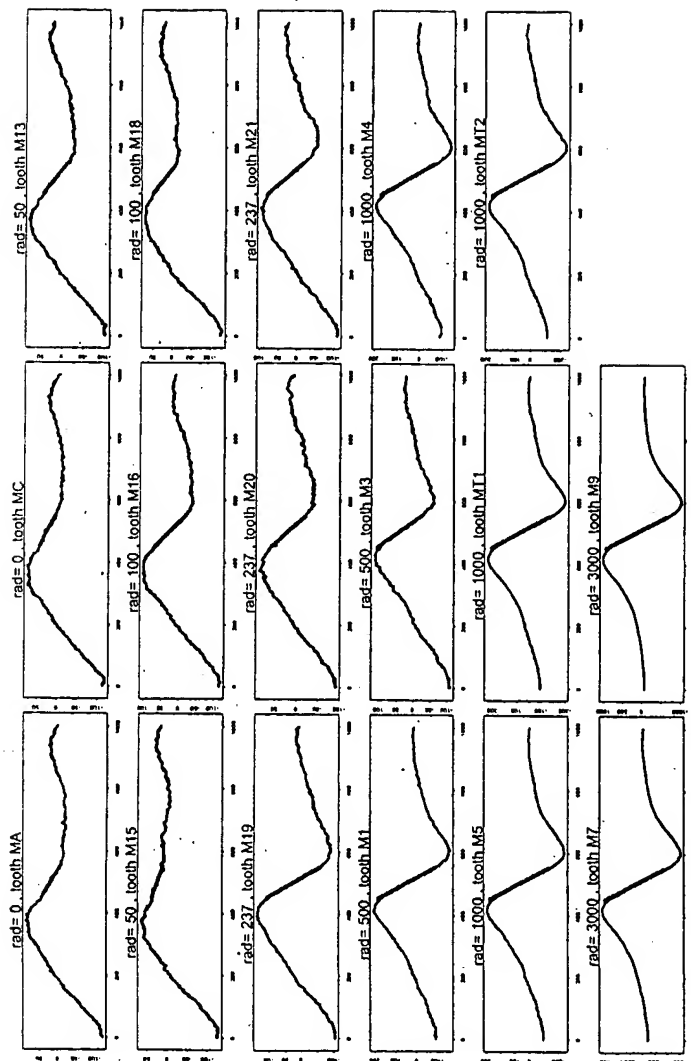


Fig. 11

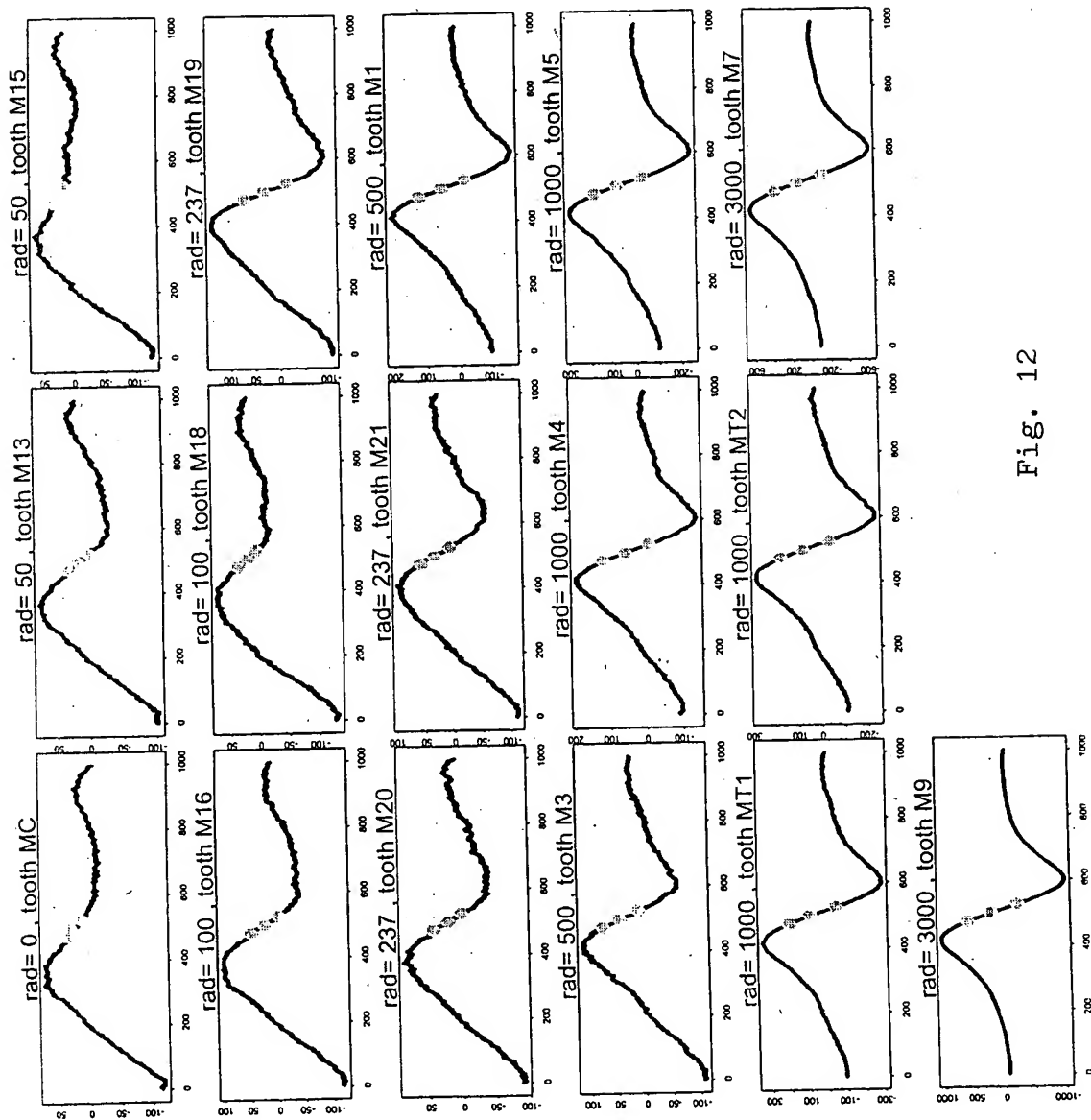


Fig. 12

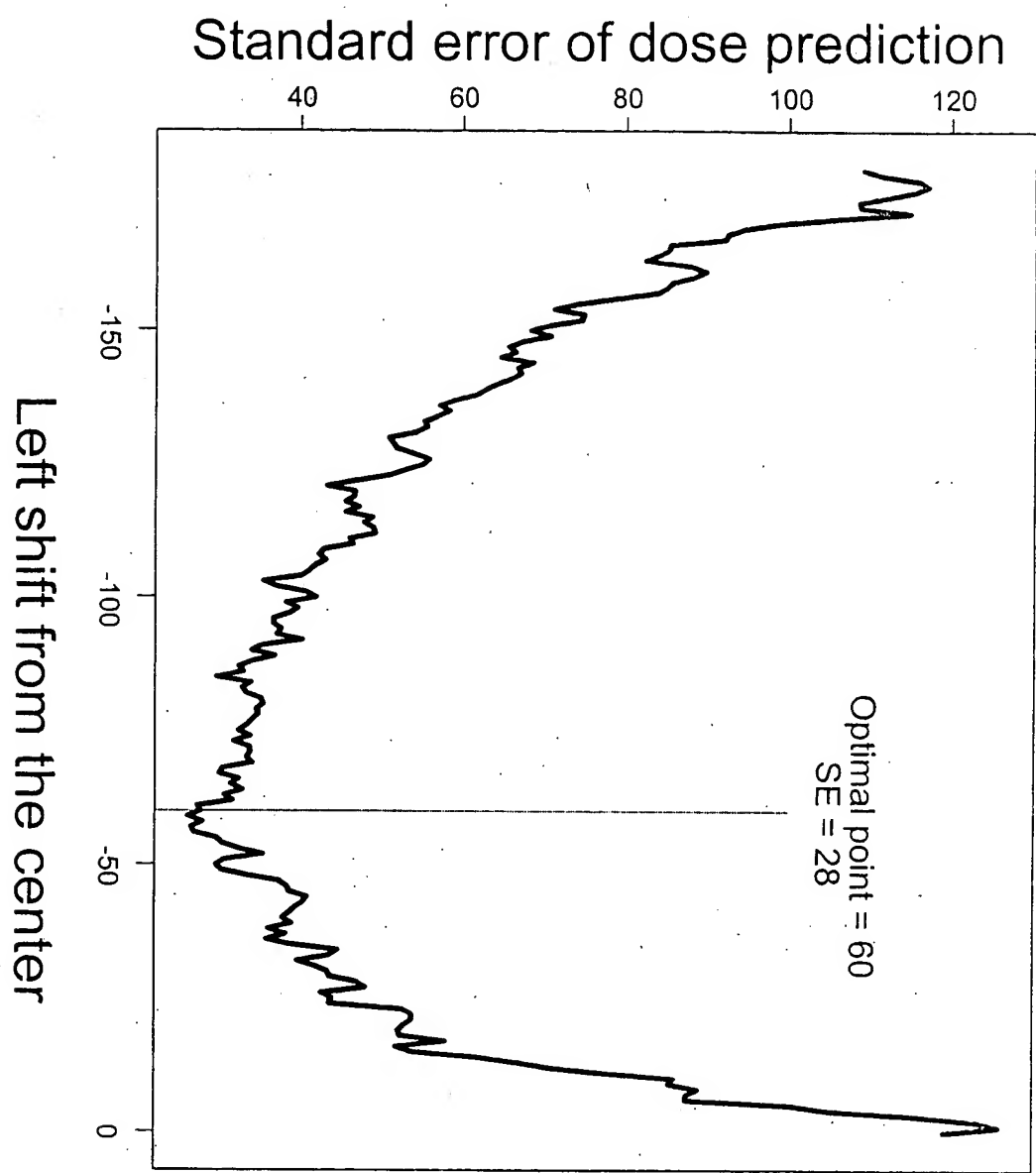


Fig. 13

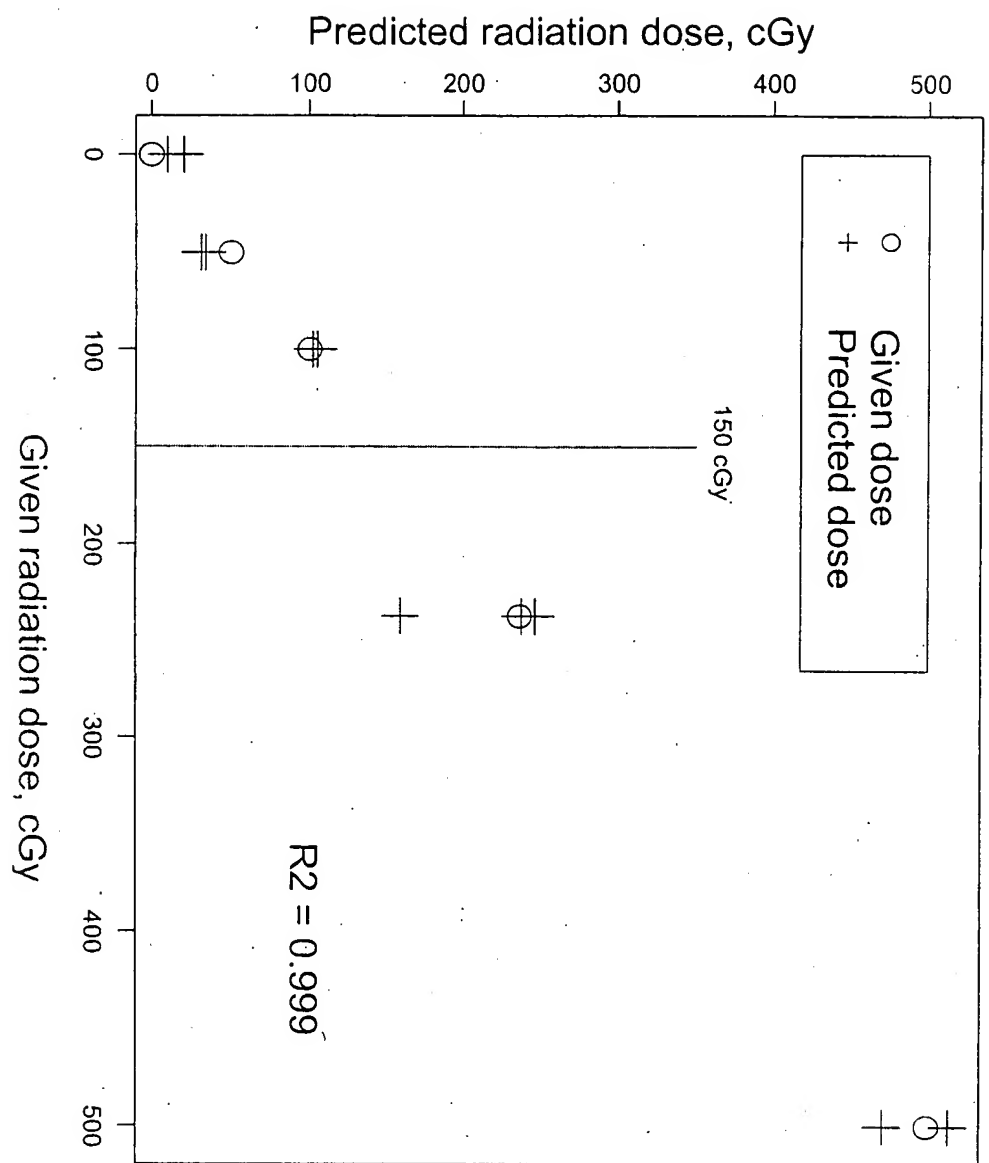


Fig. 14



Fig. 15A



Fig. 15C

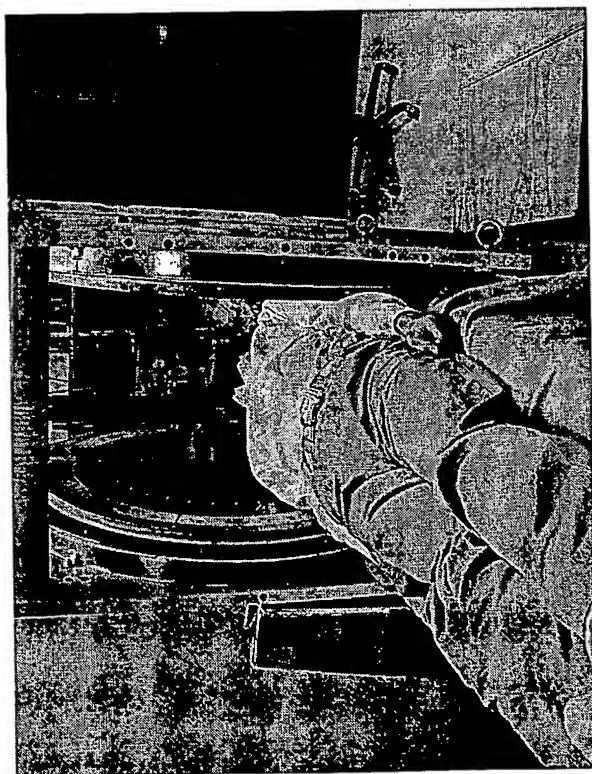


Fig. 15B

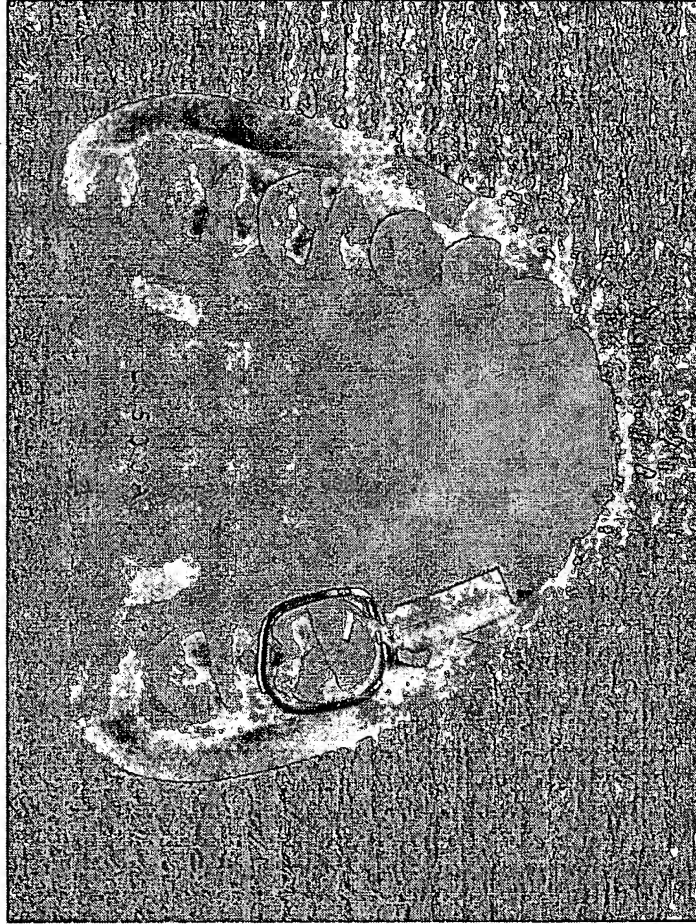


Fig. 16A

Fig. 16B

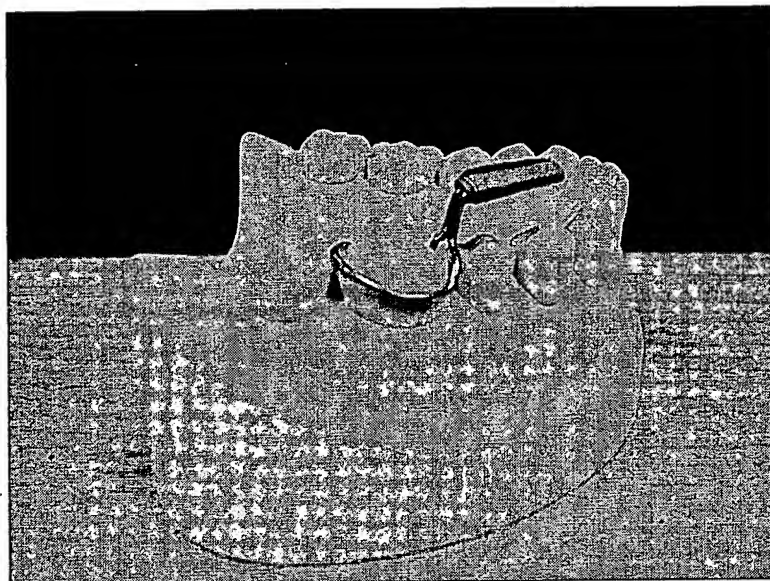
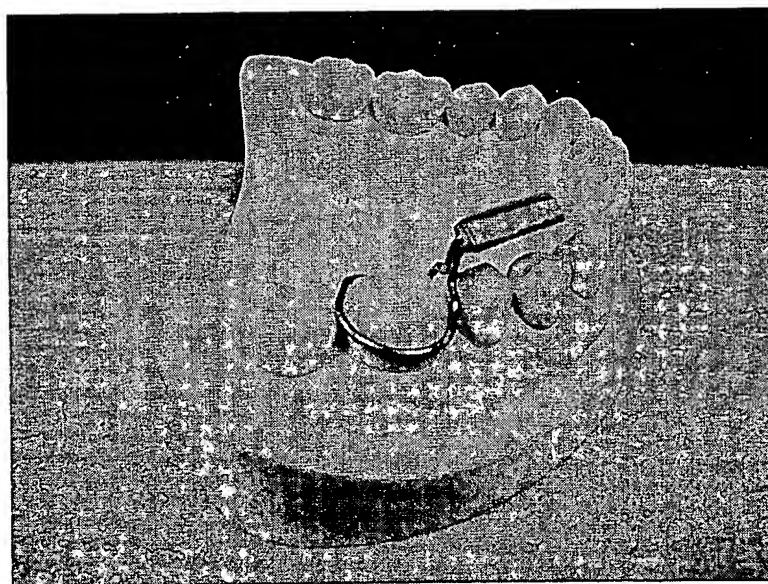


Fig. 16C



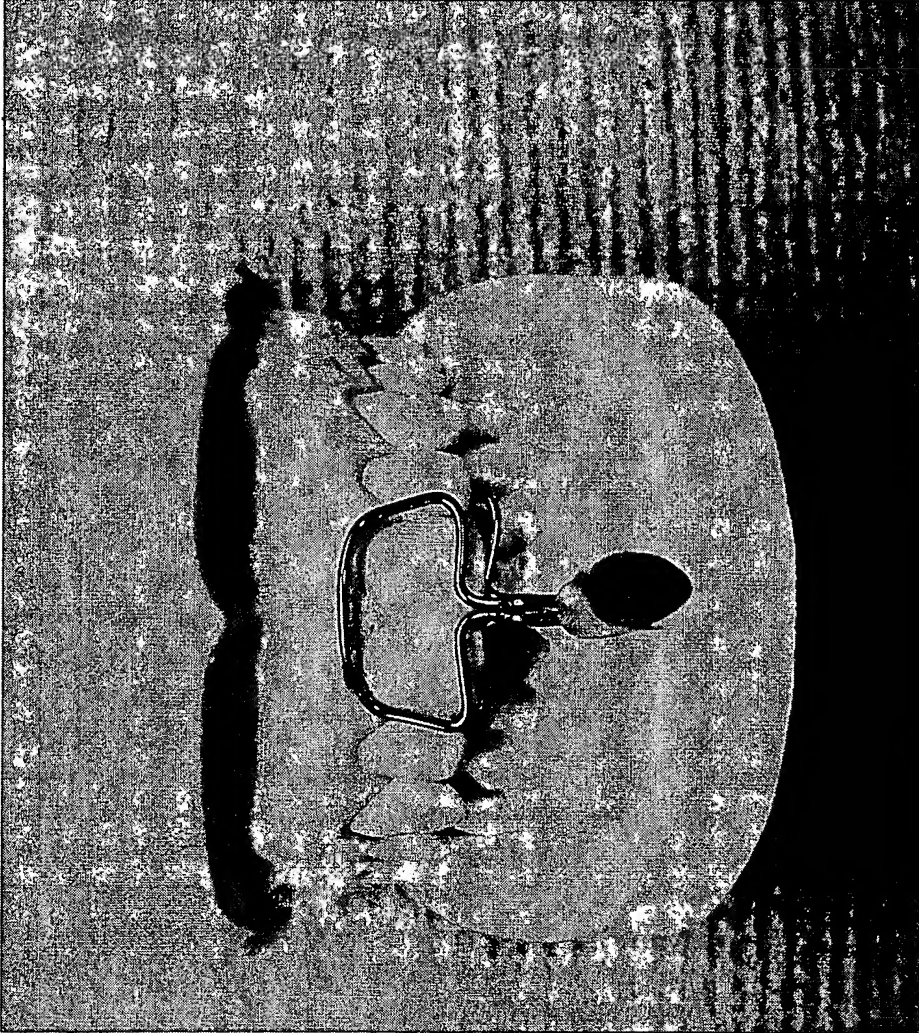


Fig. 17A

Fig. 17B

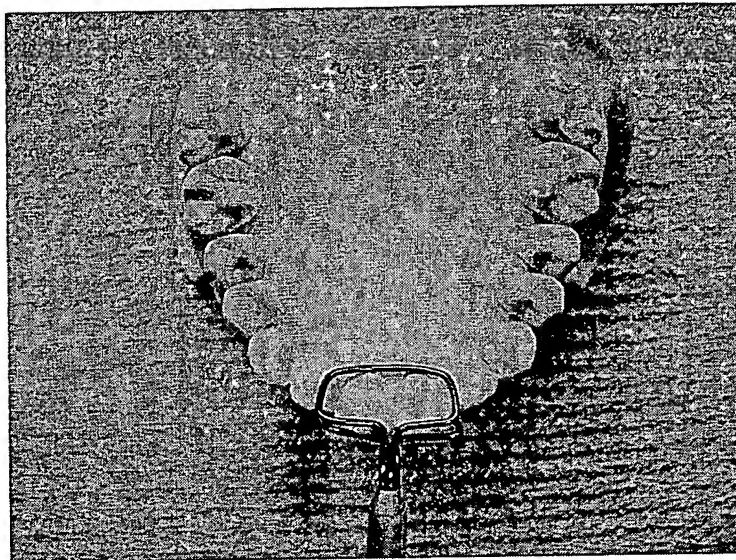
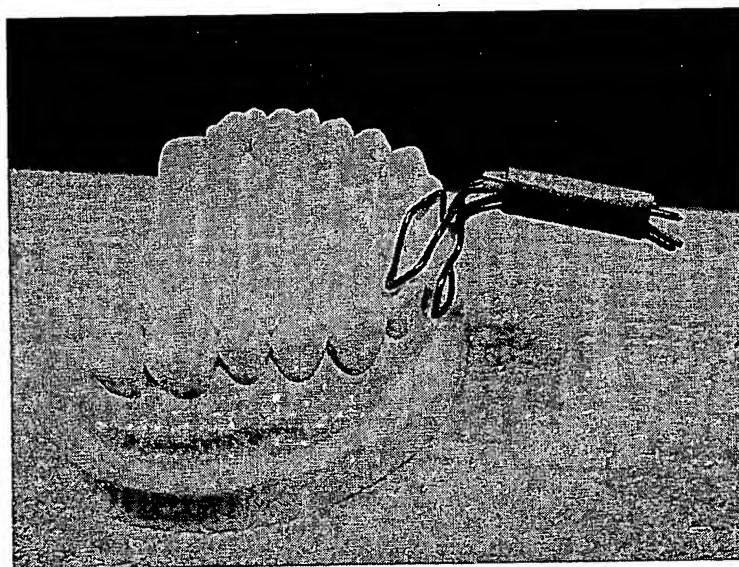


Fig. 17C



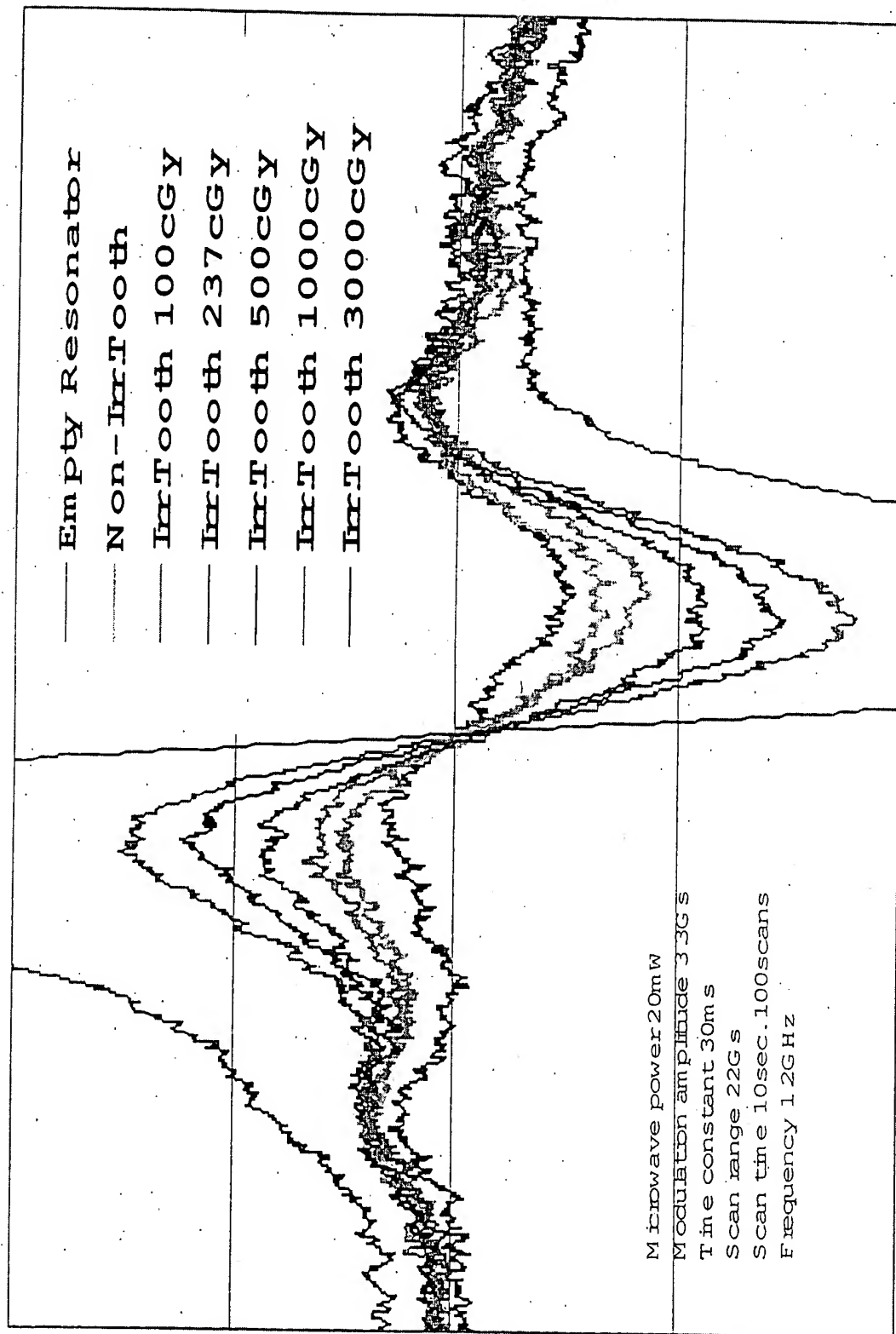


Fig. 18

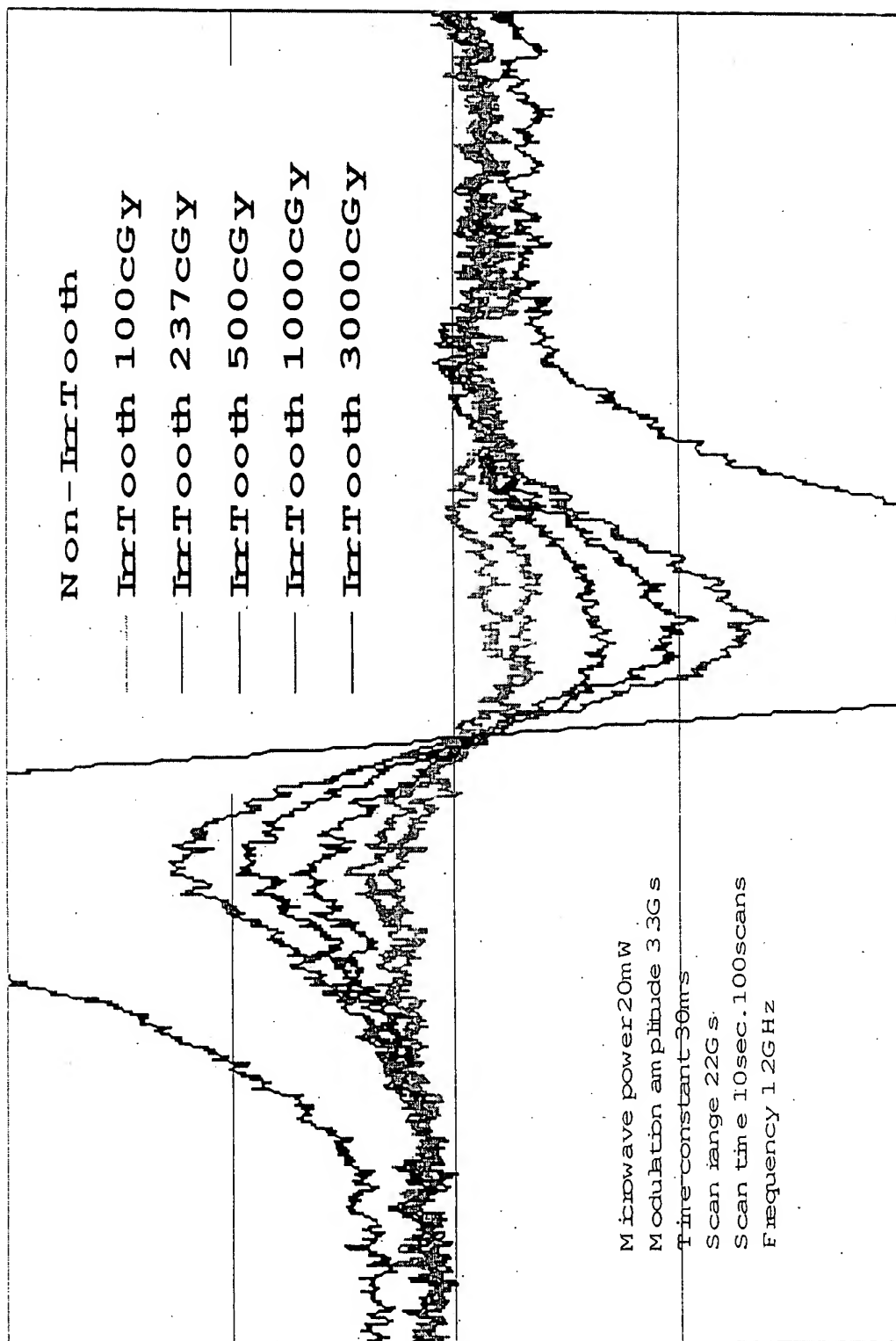


Fig. 19

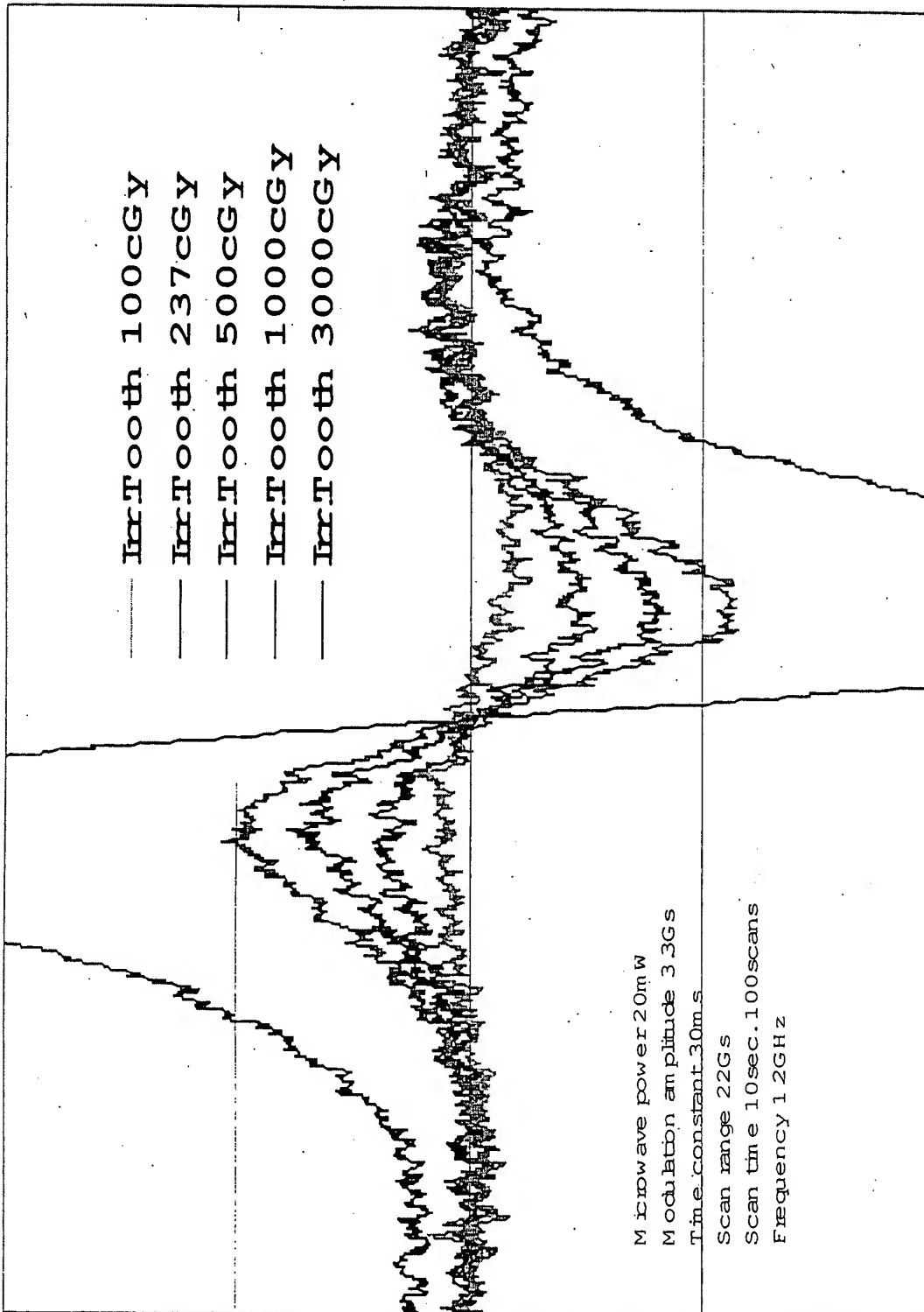


Fig. 20

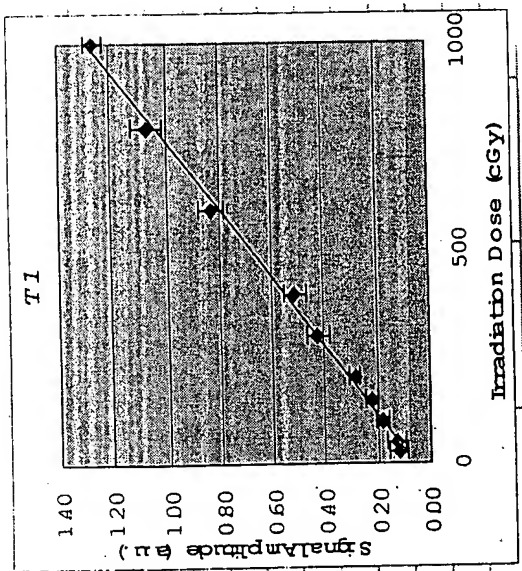


Fig. 21A

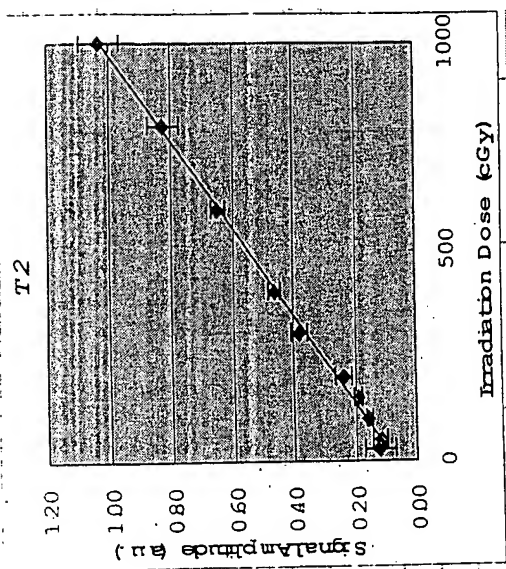


Fig. 21B

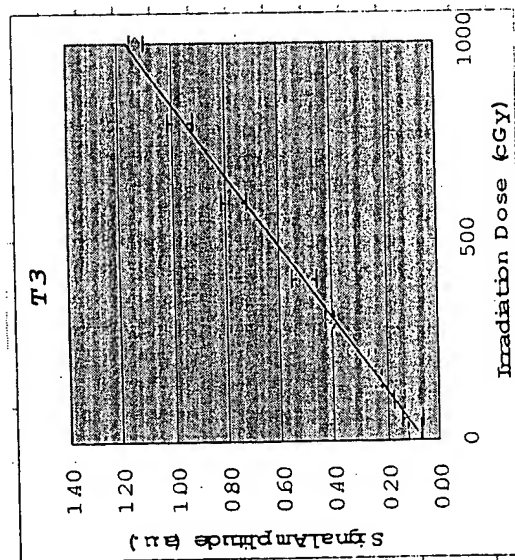


Fig. 21C

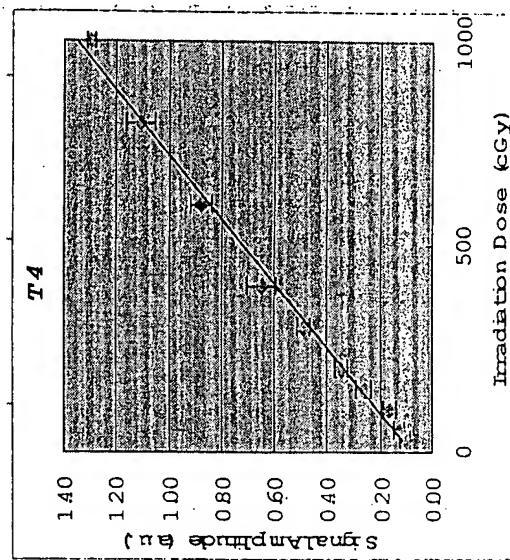


Fig. 21D

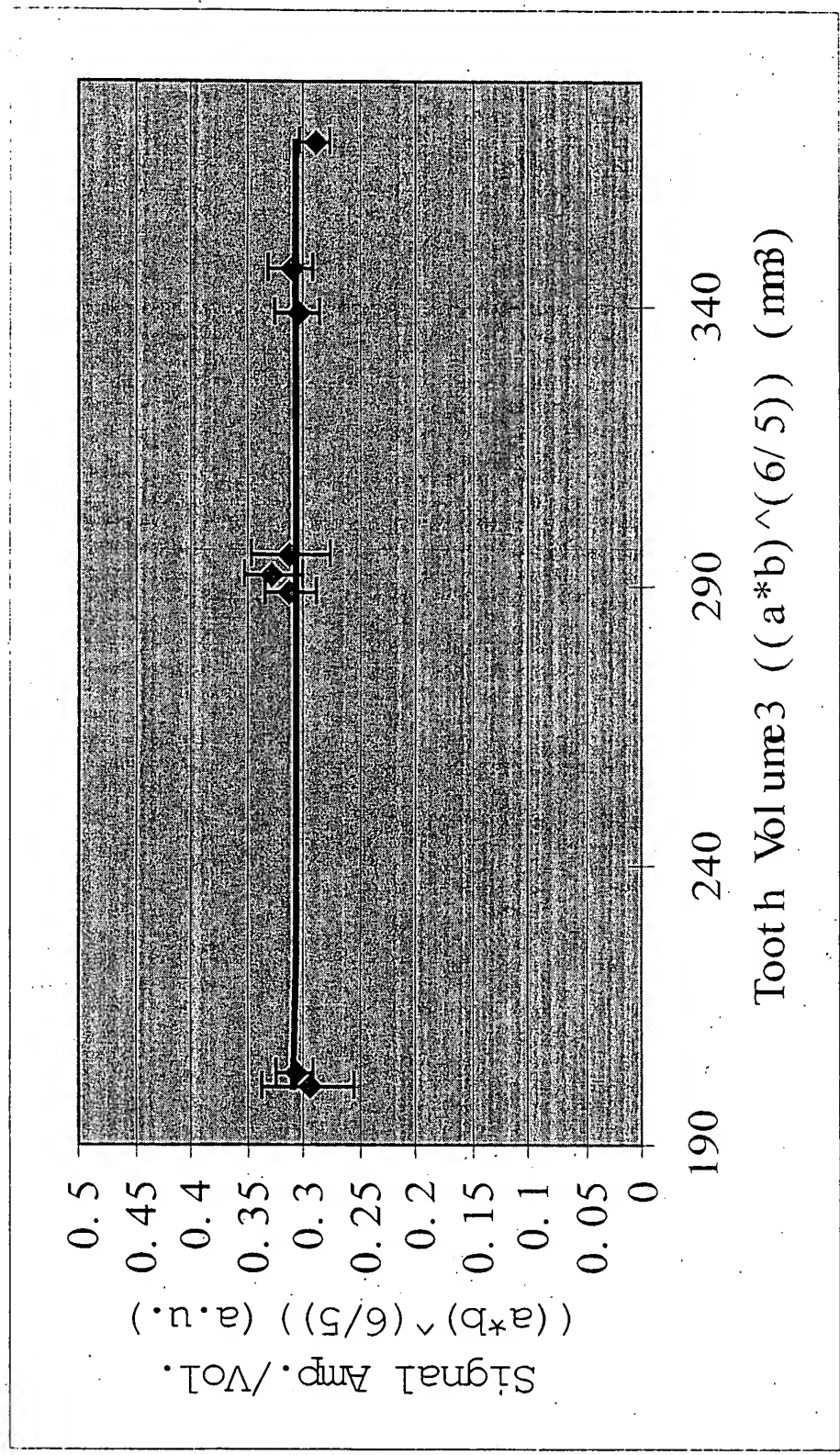


Fig. 22

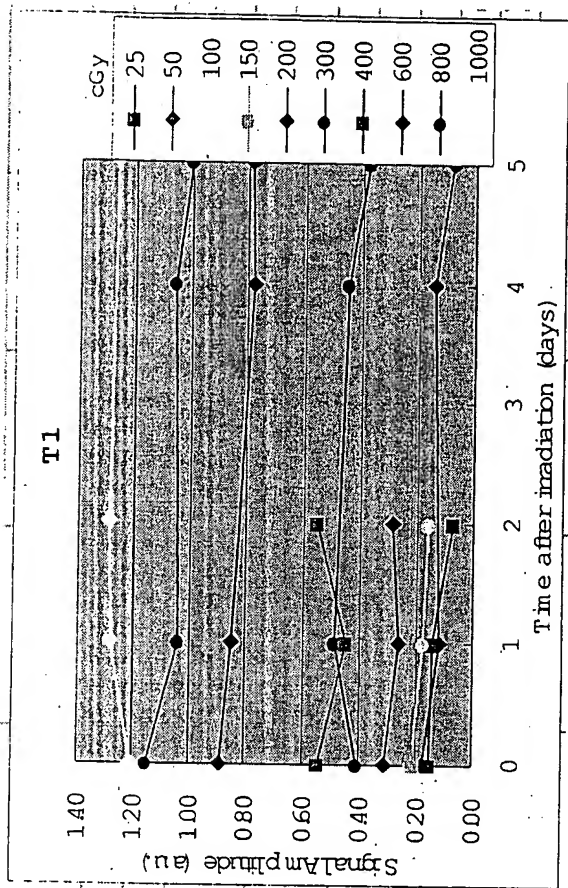


Fig. 23A

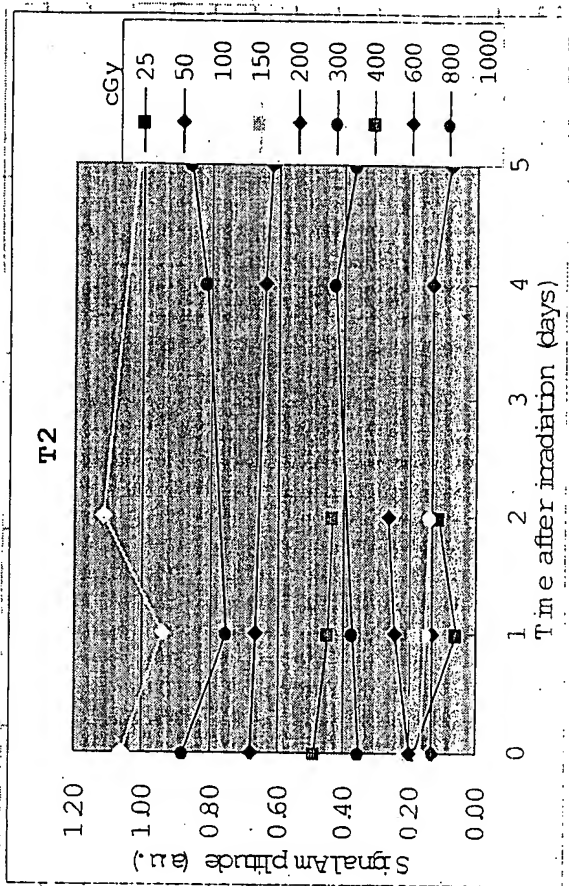


Fig. 23B

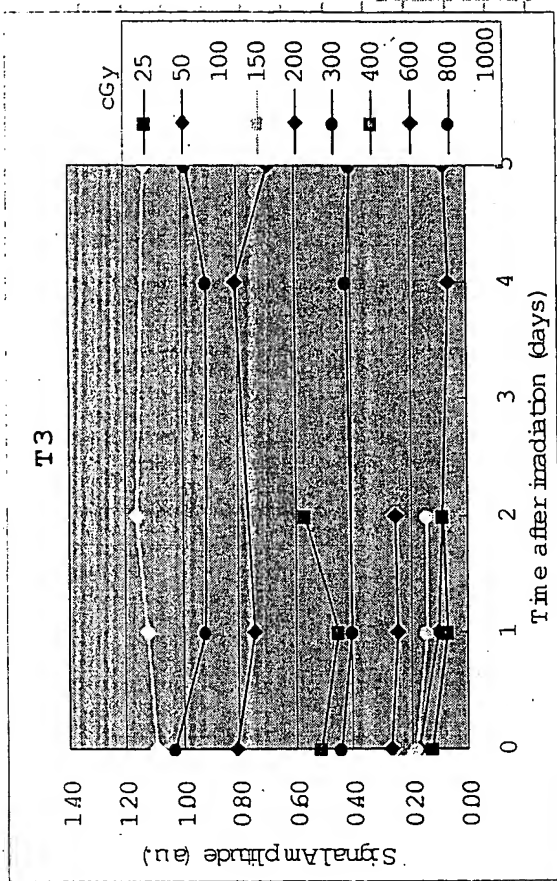


Fig. 23C

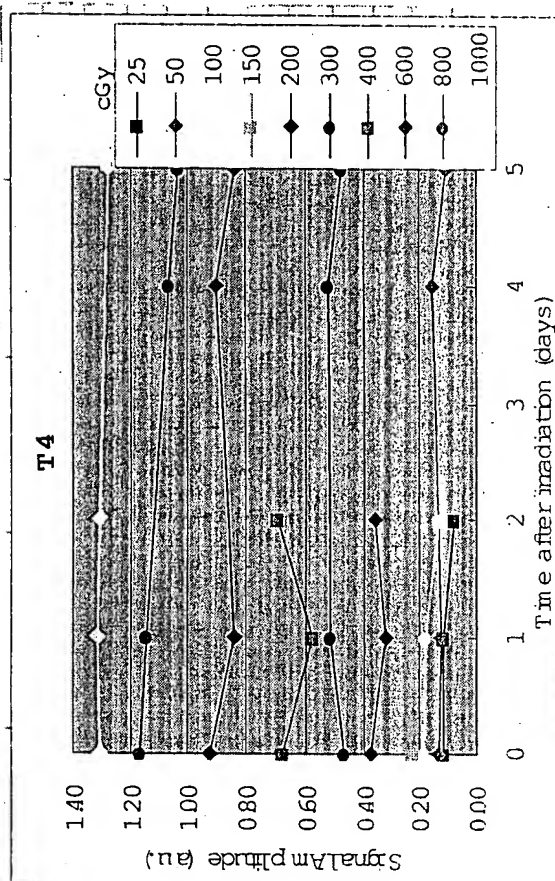


Fig. 23D

Fig. 24A

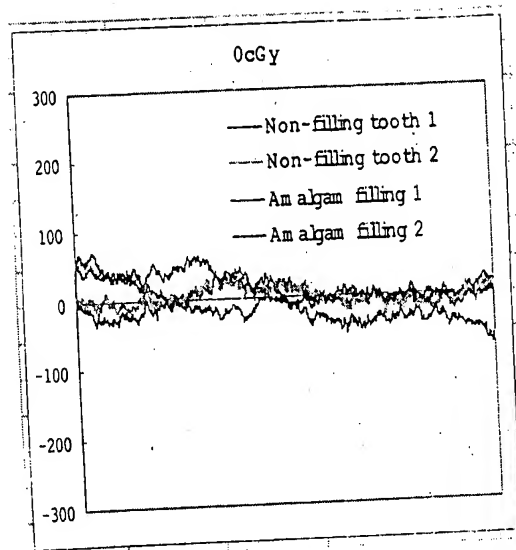


Fig. 24B

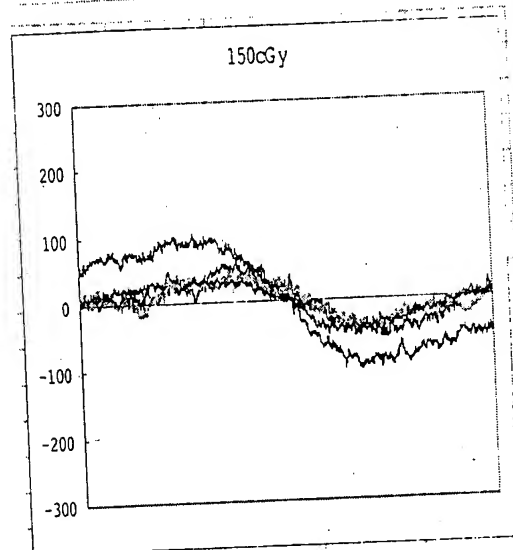


Fig. 24C

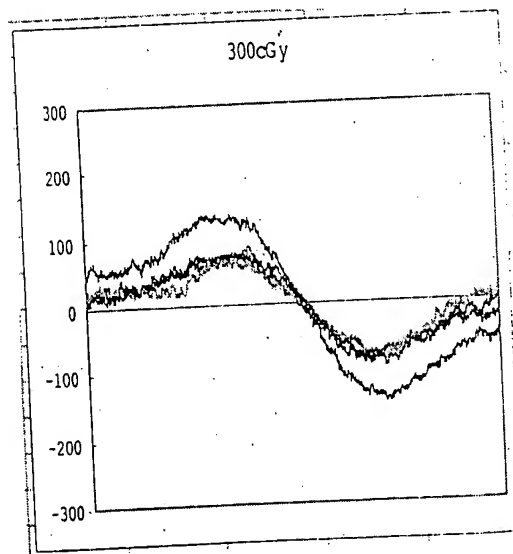


Fig. 24D

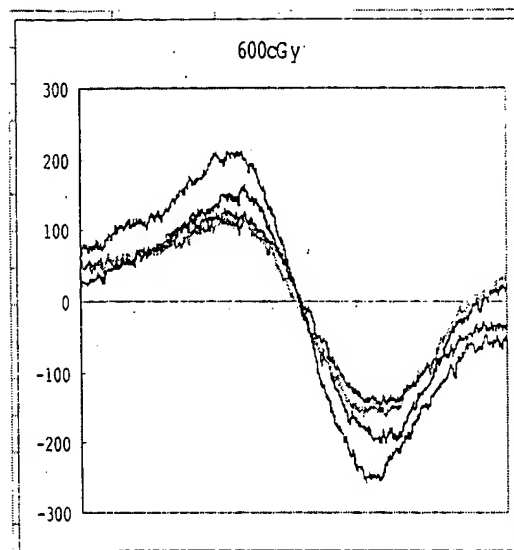
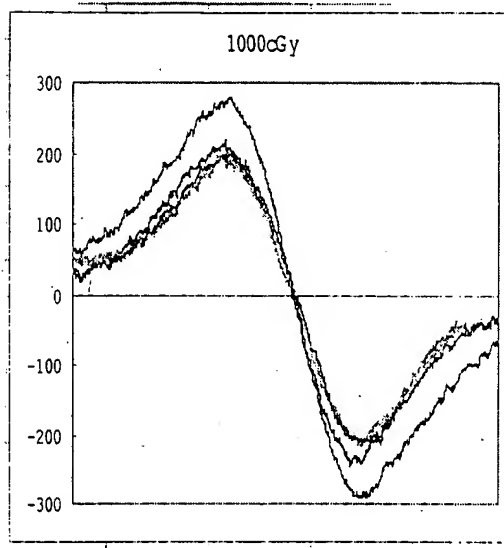


Fig. 24E



ChiralBridge

Microwave Power 0db

Modulation Amplitude 30Gs

Time Constant 30ms

Scan Range 20Gs

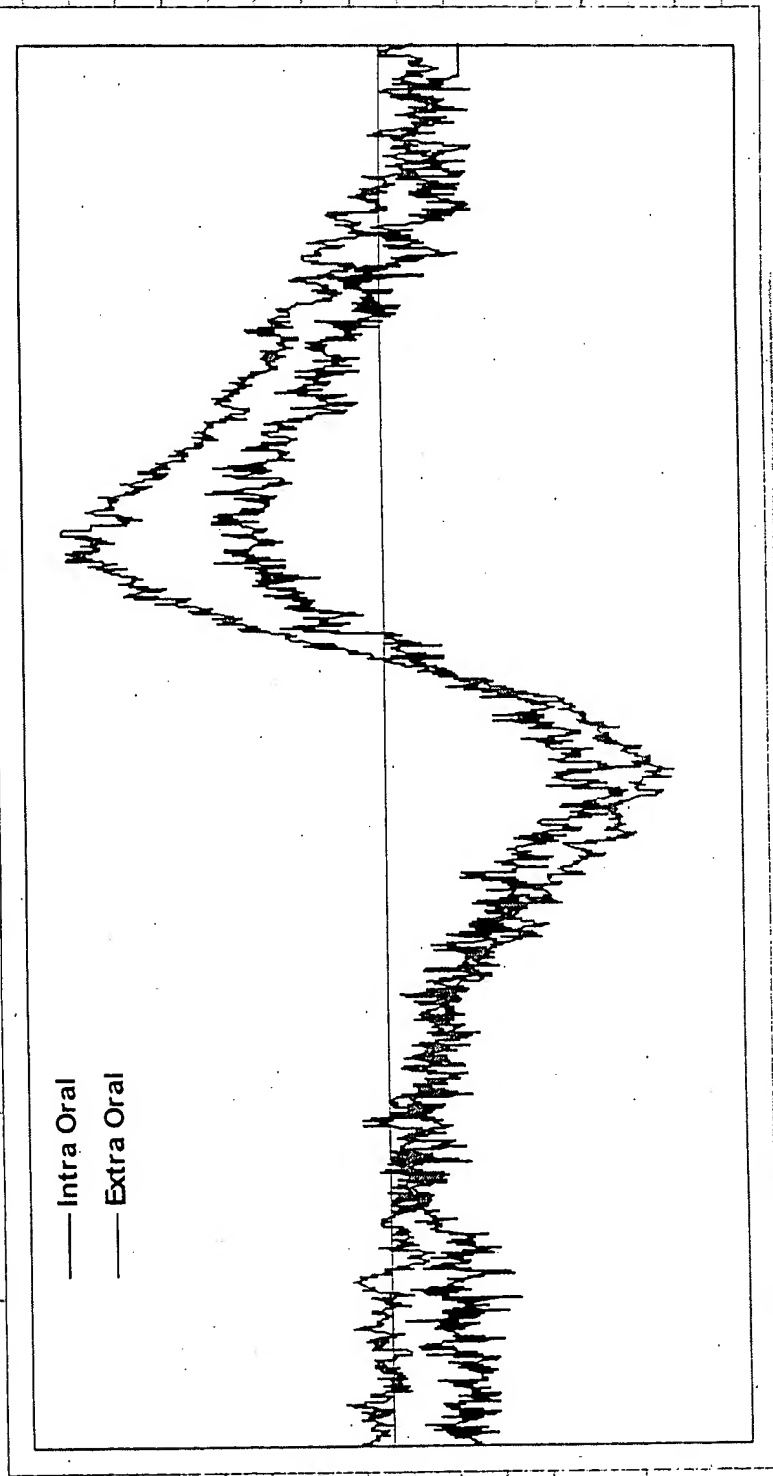
Scan Time 10sec.

Accumulation No. 8scans

Sample 3000cGy Irr. Tooth

Fig. 25

	Signal	Noise	S/N
Extra Oral	2.35	0.147	15.99
Intra Oral	1.47	0.216	6.81



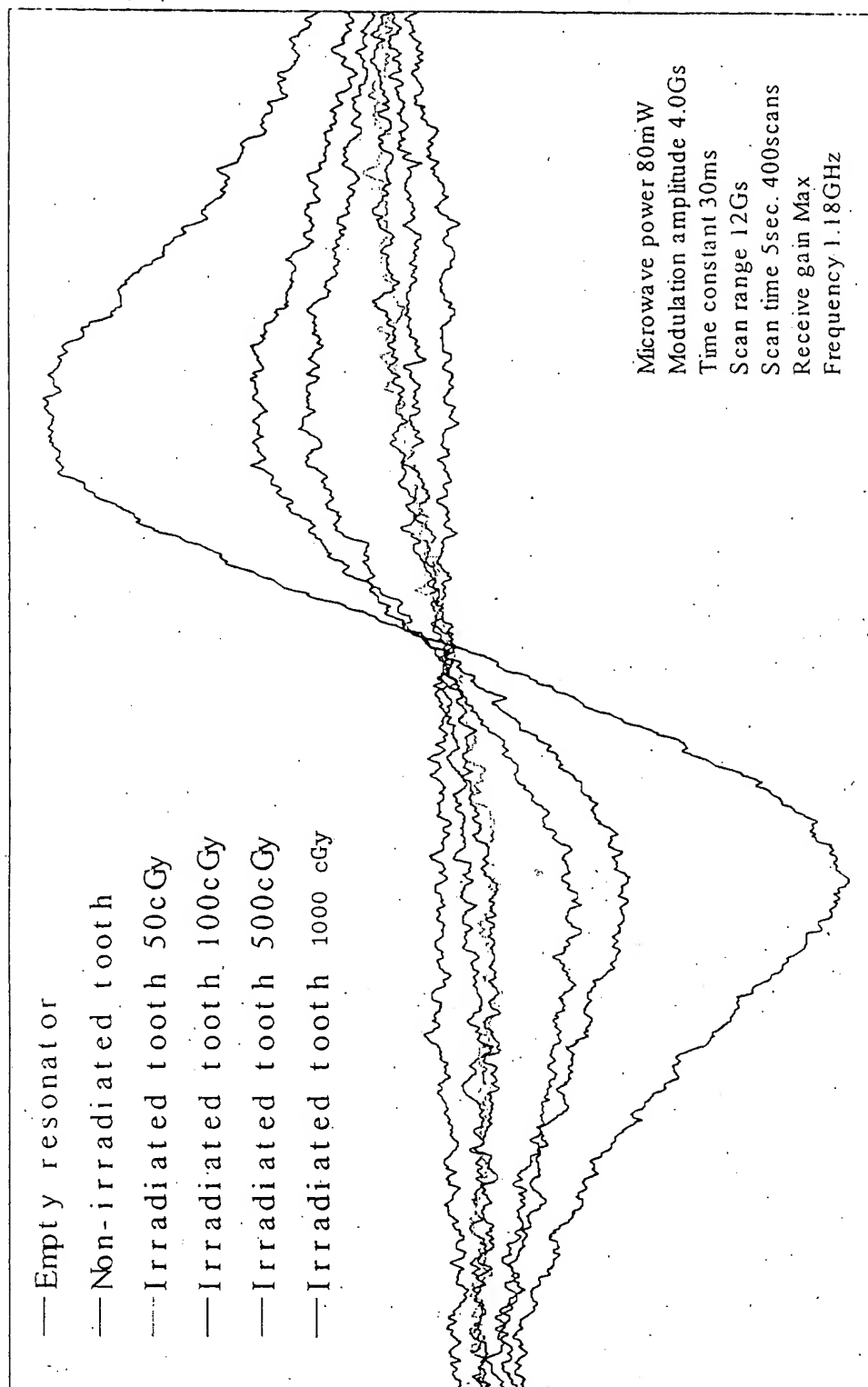


Fig. 26

	BW 1	BW 2	Q - factor 1	Q - factor 2	Q - factor Ave.	SD
OutOralEmpty Resonator	1.95	2.1	600.00	557.1	578.57	21.43
IntraoralLeft Side (Molar region)	4.6	5.7	254.35	205.3	229.81	24.54
IntraoralRight Side (Molar region)	5.1	8.9	229.41	131.5	180.44	48.98
IntraoralCenter	3.4	3.9	344.12	300.0	322.06	22.06
IntraoralCenter (Tongue pressed to the bop)	13.7	14.1	85.40	83.0	84.19	1.21

Fig. 27A

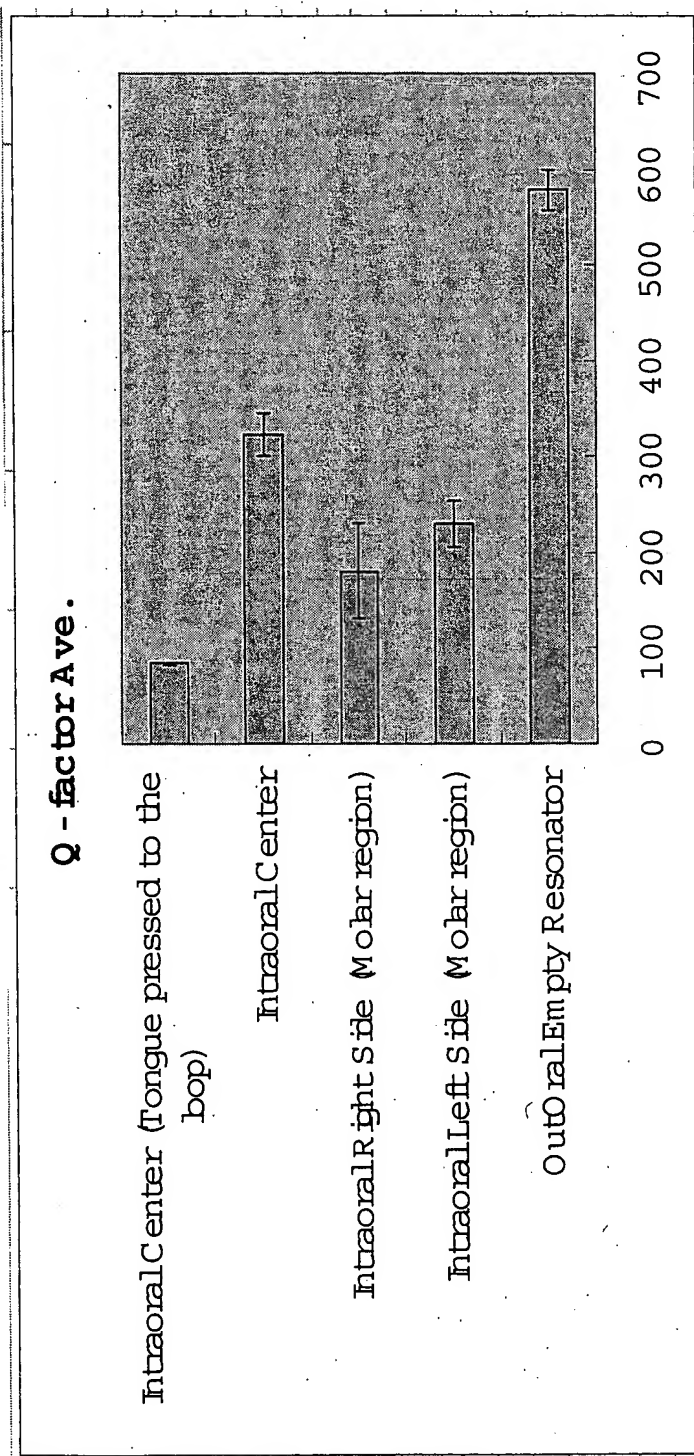


Fig. 27B

Irradiated Tooth (3000 cGy)

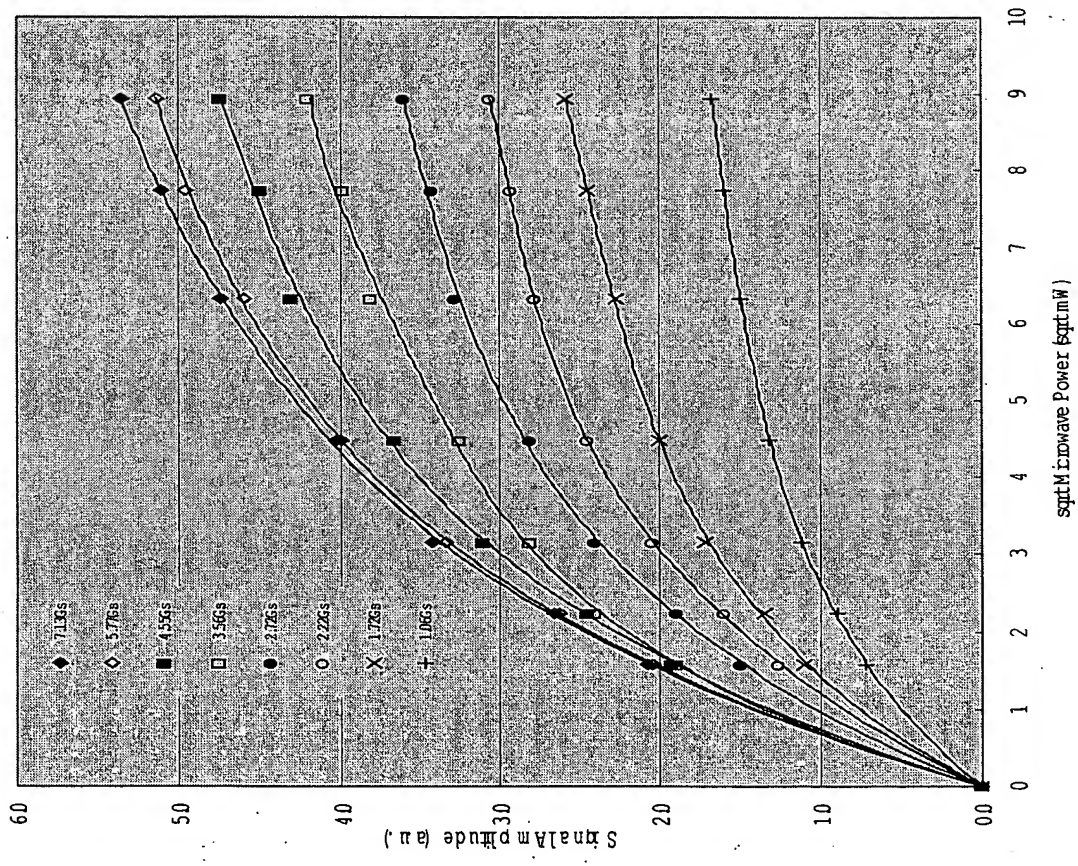


Fig. 28A

Non-Irradiated Tooth

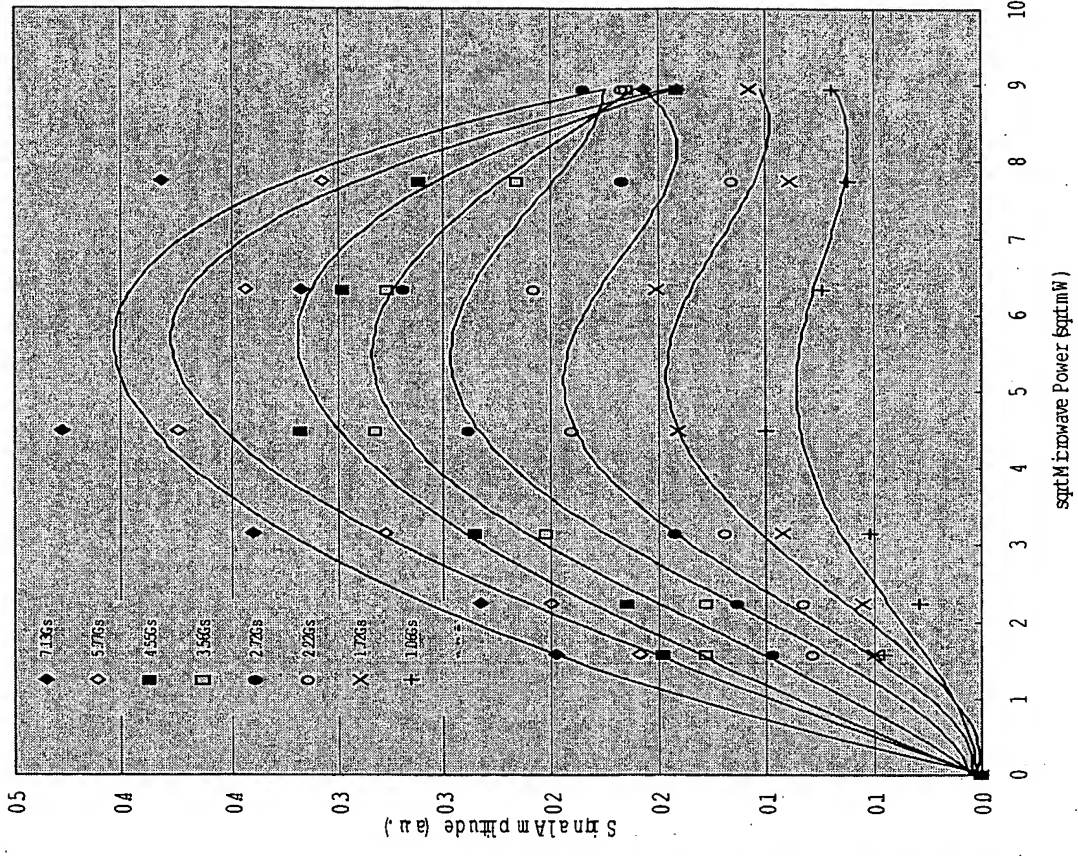
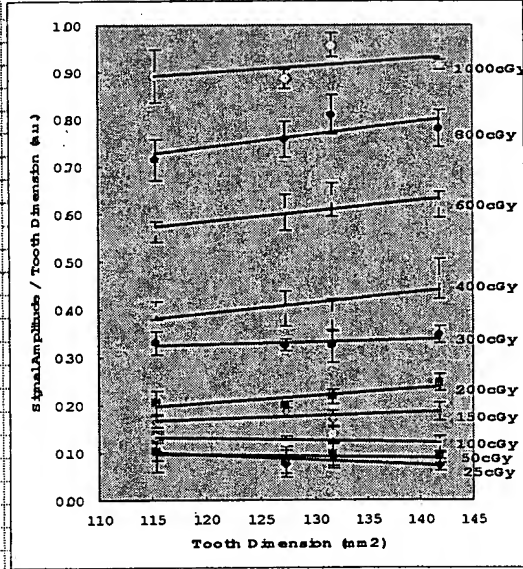
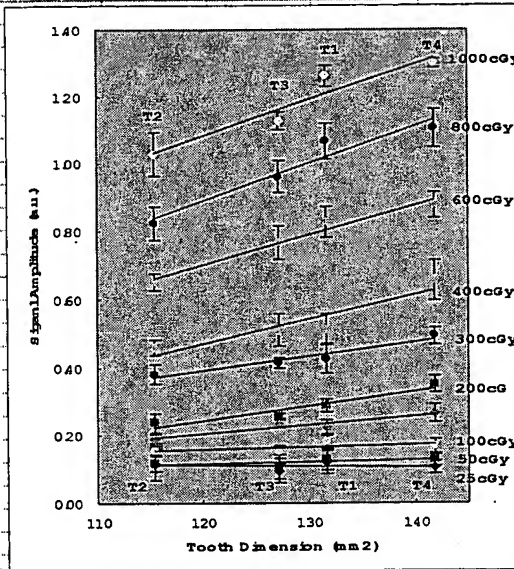


Fig. 28B

Fig. 29A

Fig. 29B

Normalized by tooth dimension (a*b)



Normalized by (a*b)^(6/5)

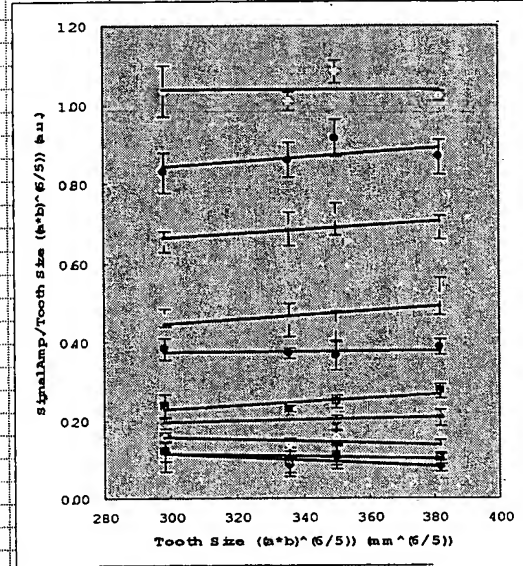
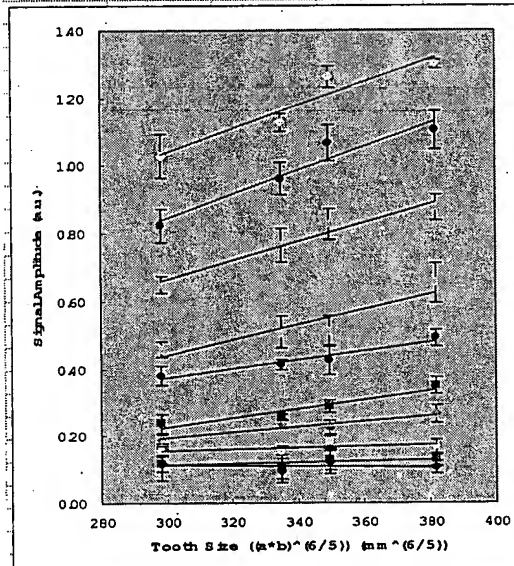


Fig. 29C

Fig. 29D

EPR Spectra of Human Tooth at L-Band

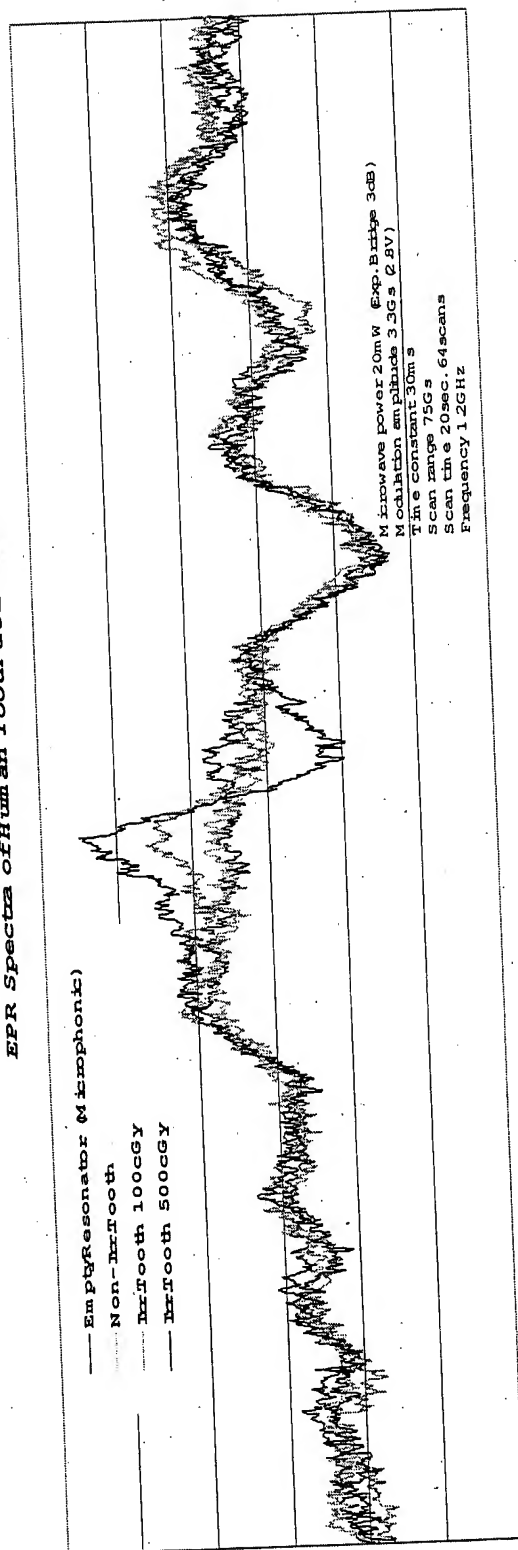


Fig. 30A

EPR Spectra of Human Teeth at L-Band (After Subtraction)

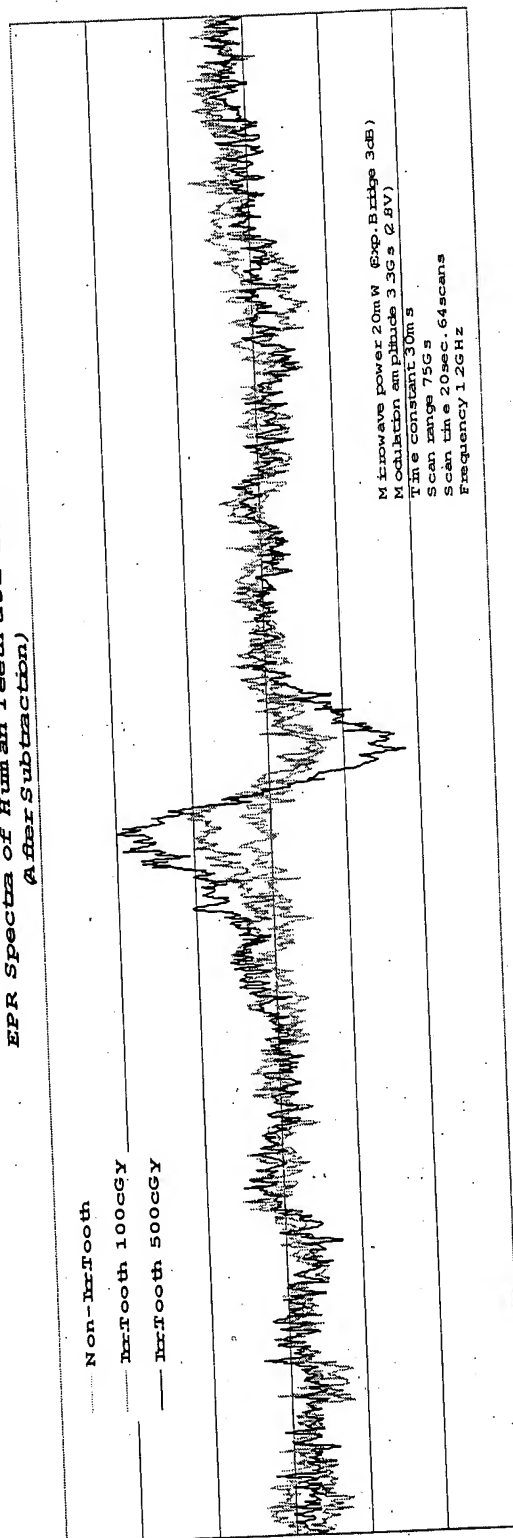


Fig. 30B

Fig. 31A

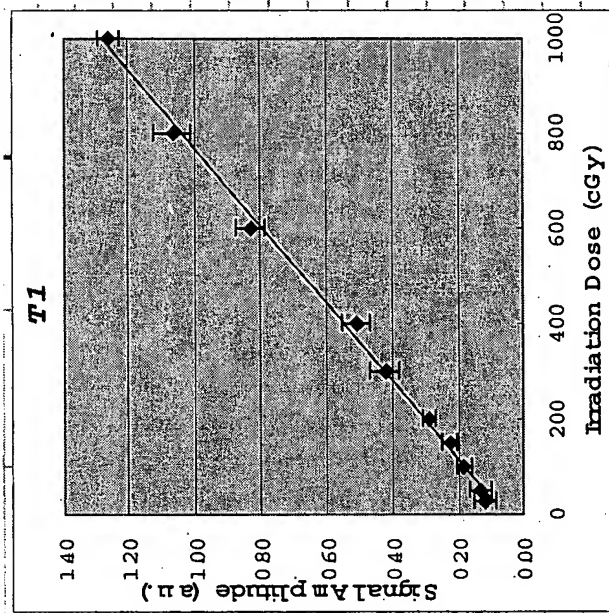


Fig. 31B

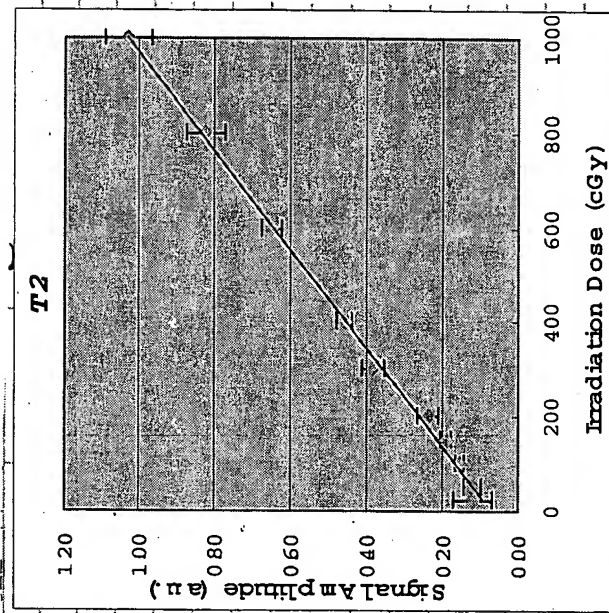


Fig. 31C

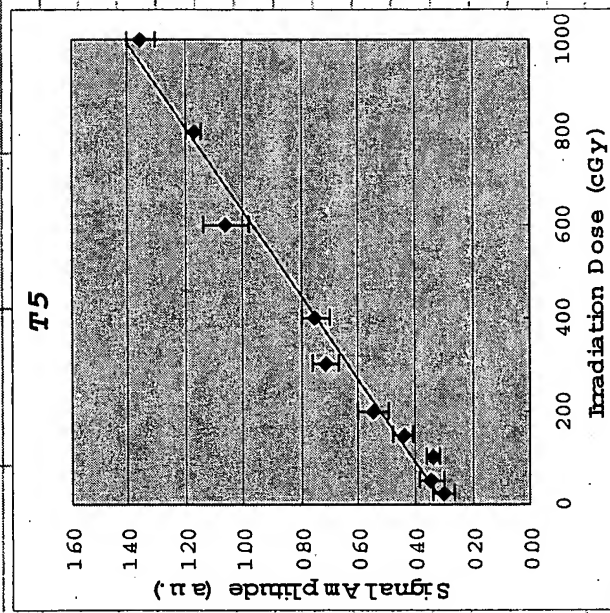
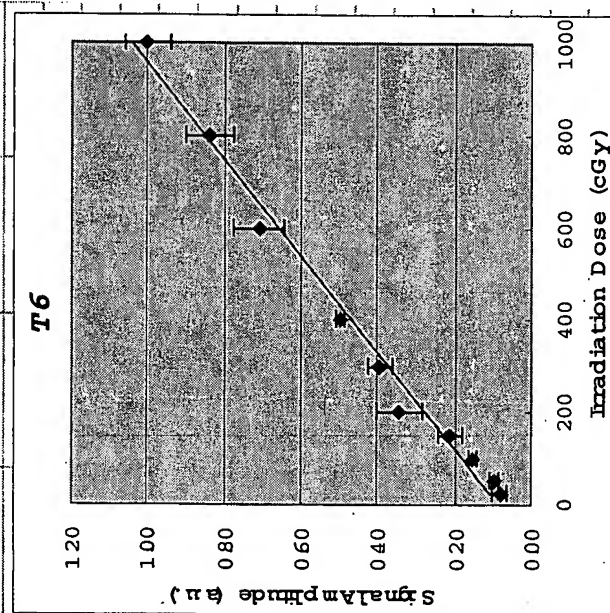


Fig. 31D



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